CIP CAPITAL IMPROVEMENT PROGRAM

Santa Clara Valley Water District℠

2010/2011
CAPITAL IMPROVEMENT PROGRAM

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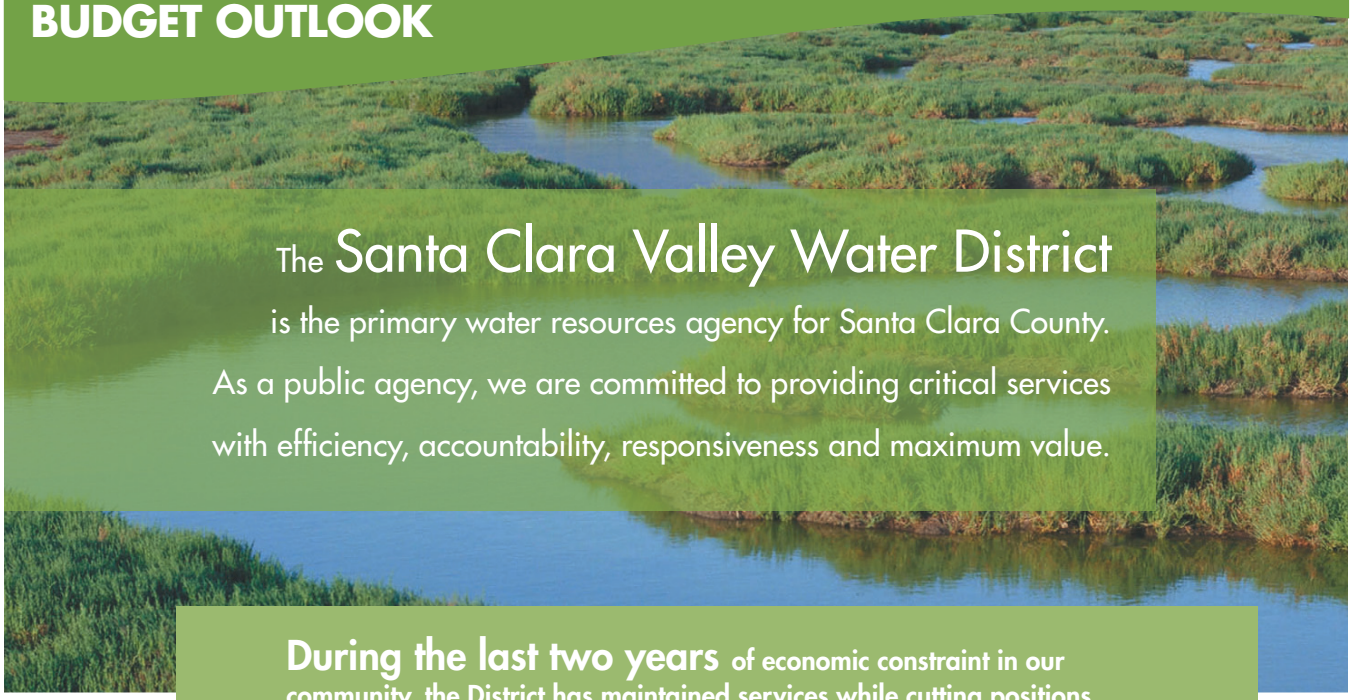
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INTRODUCTION
BUDGET OUTLOOK



The Santa Clara Valley Water District is the primary water resources agency for Santa Clara County. As a public agency, we are committed to providing critical services with efficiency, accountability, responsiveness and maximum value.

During the last two years of economic constraint in our community, the District has maintained services while cutting positions, reducing expenditures and keeping rates flat.



In FY 2010-11, we have:

- Not increased water charges for a third year
- Cut an additional 25 positions, for a total of 82 over three years —more than 10 percent of the District's workforce
- Continued with agency-wide efficiencies to realize ongoing cost reductions
- Funded capital construction that will result in 1,000-2,000 local jobs



As the FY 2010-11 budget was developed, initial planned operations expenditures were reduced by $11.3 million. In the final proposed budget, an increase in expenditures of $9.9 million over the current year was included to fund planned capital construction and equipment; operations and staffing costs; and debt. In addition, the overhead rate was reduced from 74.8 percent to 73 percent.



The water district's total proposed operating and capital budget is $315 million, which supports our mission as water resources manager, flood protection provider and environmental steward for the residents and businesses of Santa Clara County.

Highlights of our proposed budget include:

- Revenue reductions of $5.8 million from lower water use levels
- Property tax revenue reductions of 1.2 percent, or $0.9 million
- Federal stimulus funding of $16 million from the American Recovery and Reinvestment Act
- Capital project allocations of $103 million for FY 2010-11, with additional projected carry-forward of $78.1 million from FY 2009-10
- Local, state and federal capital reimbursements of $10.4 million

Santa Clara Valley Water District℠

Serving you **every day**

Santa Clara Valley Water District Mission

The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner for current and future generations.

The District provides a reliable supply of clean, safe water for the 1.8 million people of the county. How? We make sure the groundwater basins are replenished with local and imported water; we deliver treated water from our three drinking water treatment plants to retail water companies and cities; and maintain and operate 10 local reservoirs, 153 miles of pipelines, and 393 acres of ponds that replenish the groundwater basins. The District also plans for the county's future water supply and promotes efficient water use through conservation and recycling programs.

We work to protect residents and businesses from the devastating effects of flooding, and serve as environmental steward for the county's 800-plus miles of streams and creeks, groundwater basins and District-owned reservoirs. In addition, we partner with local agencies to develop trails and open space throughout the county.

Our budget is divided into three business areas:

- **Water Utility Enterprise** manages all the work we do to deliver a reliable, clean water supply, every day throughout the year.
- **Watersheds** oversees work to reduce the potential for flooding, and work to protect and enhance watersheds and natural resources, including the voter-approved Clean, Safe Creeks and Natural Flood Protection program.
- **Support Services** provides for the District's governance and leadership; financial, legal, human and information system resources; and business assets to support the delivery of products and services to the community.

Strategic Vision

We are a fiscally responsible water resources agency valued by the community.



Coyote Parkway Freshwater Wetland

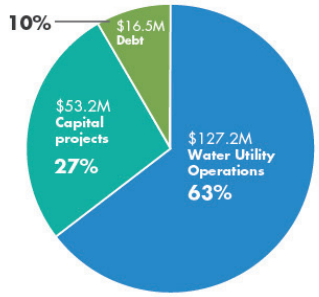
What does the FY 2010-11 budget pay for?

The budget contains funding allocated to each of our business areas for projects and programs that benefit the communities of Santa Clara County. Outcomes for the public are bulleted below, with project examples. Capital construction projects, debt and intra-district reimbursements are highlighted for each area.

TOTAL PROPOSED OPERATING AND CAPITAL BUDGET - $315 million*

**Intra-district reimbursements are overhead costs allocated to projects to provide for support services such as human resources, IT, or legal and financial services. These reimbursements are projected to be $50.5 million in FY 2010-11, and are not included in the total budget figure of $315 million.*

Water Utility Enterprise $197 million



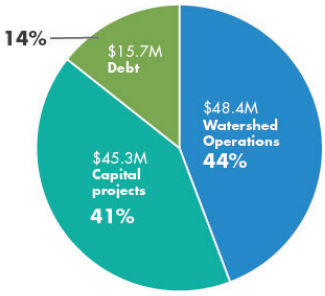
- Treated water supply
- Reliable current water supply
- Reliable future water supply
- Efficient water use



The District treats and delivers about 120,000 acre-feet—or 39 billion gallons--of clean, safe water annually at our three drinking water treatment plants. Shown here: Clarifier basins at Penitencia Water Treatment Plant catch silt before water enters the filtration and ozonation treatment processes.

Term: *What's an acre-foot? About 326,000 gallons, the amount two families of five consume over a year using conservation measures.*

Watersheds $109.4 million

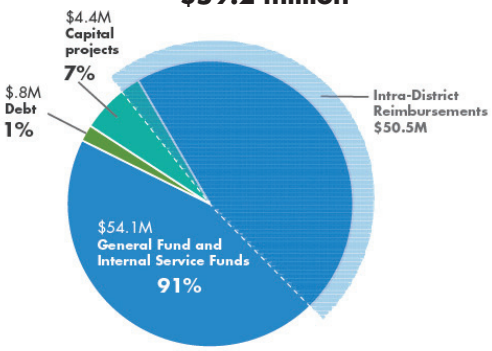


- Protection from flooding
- Clean water in creeks
- Healthy creek and bay ecosystems
- Provide access to trails and open space



Preserving and protecting the natural environment, including wetlands, is an important part of our watershed stewardship function. Here, a former salt pond will connect to the tidal waters of Alviso Slough via a 40-foot concrete "notch" structure, creating 1,400 acres of open-water habitat and up to 200 acres of tidal wetland habitat for a variety of species including fish, pelicans, cormorants and ducks.

Support Services $59.2 million

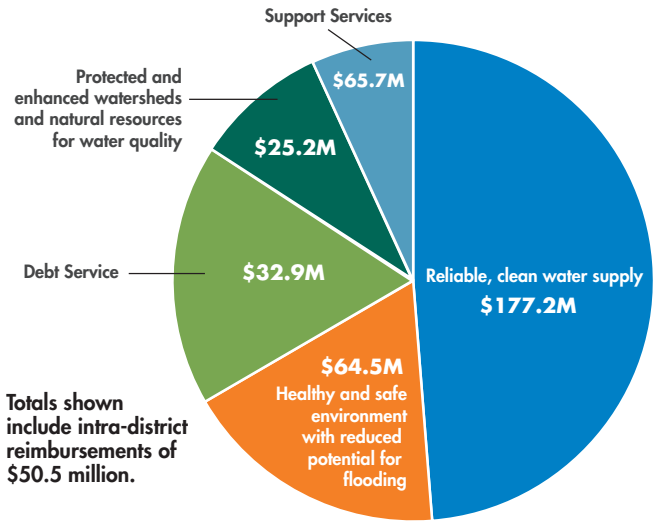


- Board support and District leadership
- Legal services
- Financial services
- Human resources
- Information systems
- Business assets



We strive to engage customers and keep them updated on our business and finances, projects and meetings. Here, water district staff discuss groundwater recharge with residents at a District community open house in Cupertino.

Budget **by outcome area**



The District's budget funds activities that carry out our mission as defined by our Board of Directors through District "ends," or outcome-related, policies.

The three highest level policies are:

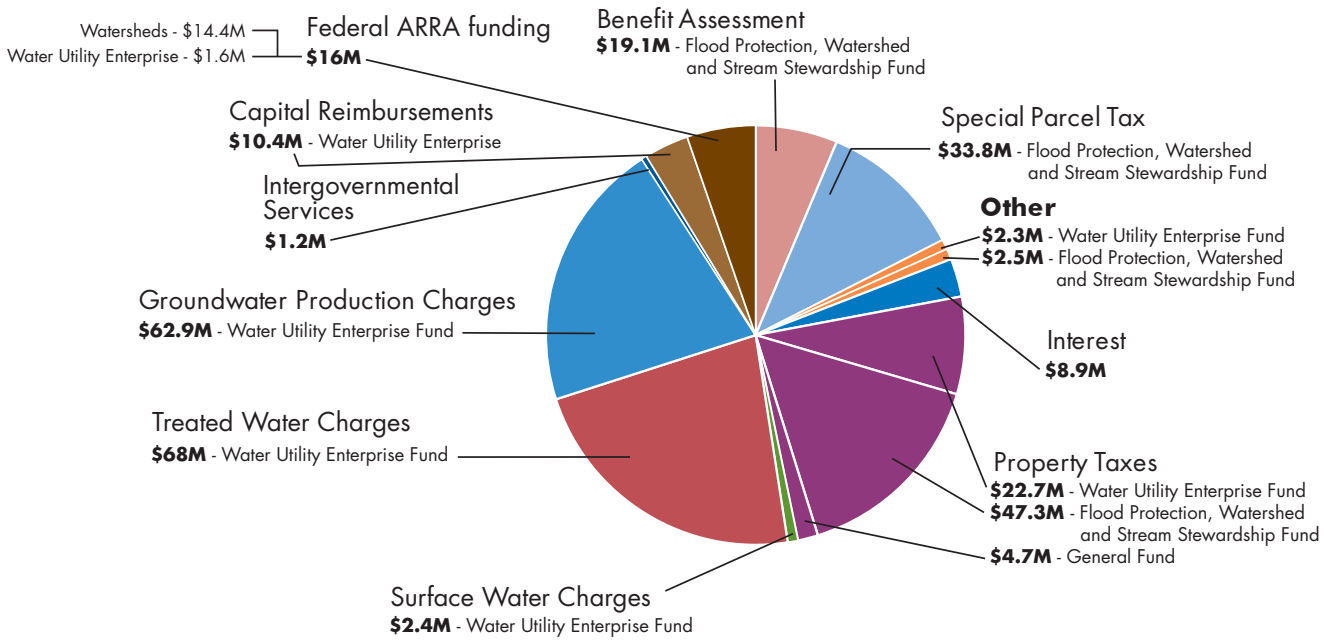
- There is a reliable, clean water supply for current and future generations.
- There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations.
- There is water resources stewardship to protect and enhance watersheds and natural resources and to improve the quality of life in Santa Clara County.

The chart at left shows projected funding for each of the three areas for FY 2010-11, plus debt service and support services. Support services include governance and leadership; financial, legal, human and information system resources; and business assets.

How **is the District funded?**

The water district receives funding from a variety of sources, including treated water, surface/recycled water and groundwater production charges; proceeds from ad valorem property taxes; Clean, Safe Creeks and Natural Flood Protection special parcel tax; and benefit assessments that support financing for flood protection projects; interest earnings, cost-sharing agreements and grants.

FY 2010-11 total revenues: $302.2 million

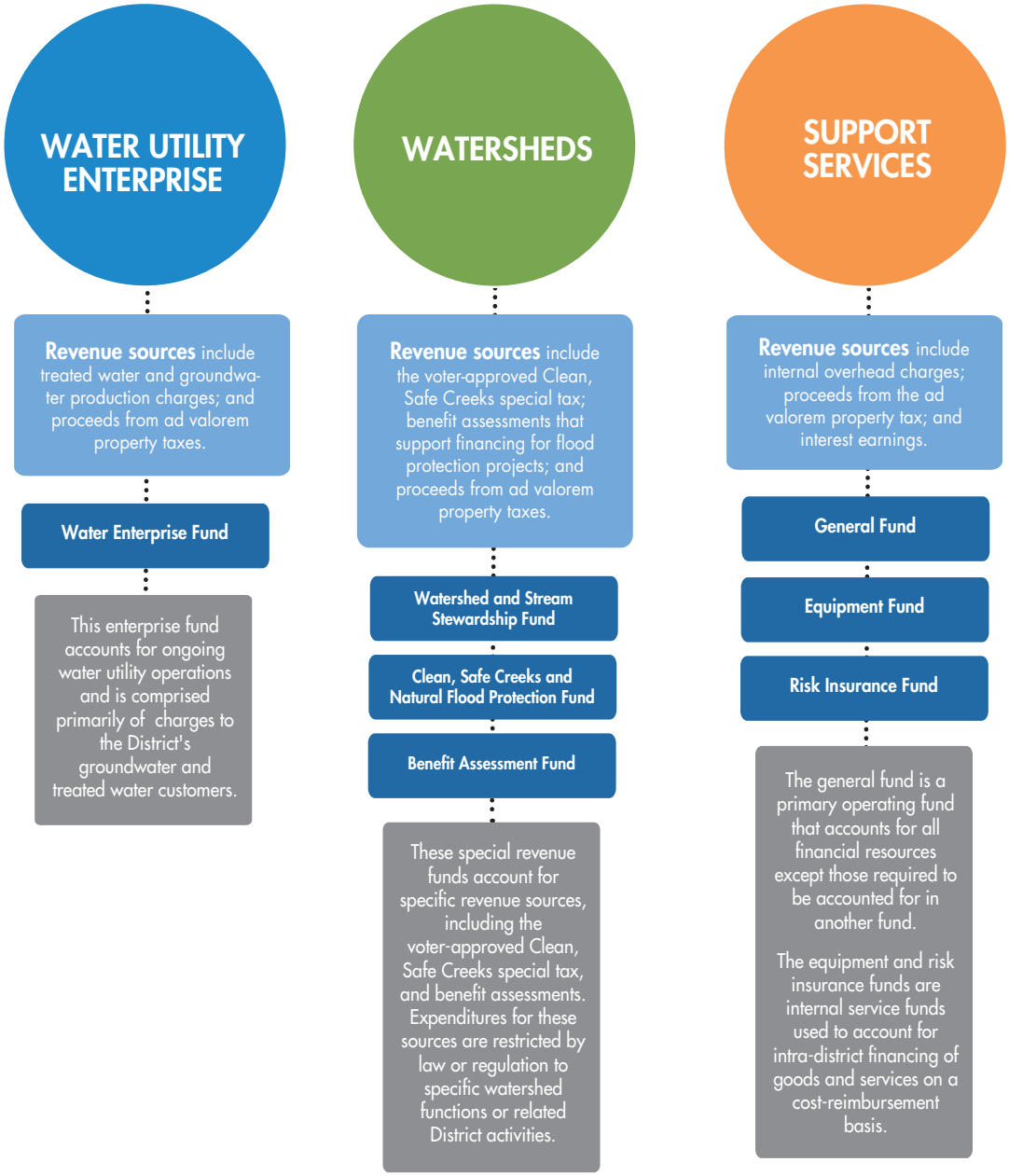


Fund accounting

Due to the size of our service area and the combination of our water supply and flood protection functions, the District is unique in California. Our multiple-purpose approach allows us to comprehensively manage the county's water resources and achieve economies of scale as a single agency.

The District uses fund accounting to ensure and demonstrate compliance with financial and legal requirements. Accounts related to activities of the Water Utility Enterprise are segregated into a single fund, while flood protection activities are segregated into three separate funds. Support Services accounts are also segregated into three separate funds.

The graphic below shows each District business area, its revenue sources and related funds.





Additional sources **of funding**

At Pond A8 in Alviso, the District is projected to receive $1.8 million from the California Coastal Conservancy, via the National Oceanic and Atmospheric Administration (NOAA), for final design and construction on the Conservancy's Salt Ponds Restoration project.

These and other District projects help pump money back into the local economy.

The District will receive $16 million in federal American Recovery and Reinvestment Act (ARRA) stimulus funding in FY 2010-11. This funding, which comes to the water district through federal funding agencies, not only helps us deliver vital services, but also creates construction and other related jobs in the community.



On Lower Silver Creek in San Jose, the Lower Silver Creek Project Reaches 4-6 will lower the flooding risk for about 3,800 homes and businesses between I-680 and Lake Cunningham Avenue. The project is projected to receive $12.6 million from the Natural Resources Conservation Service.



For our Recycled Water South County Masterplan Implementation Project, the District is projected to receive $1.6 million from the U.S. Bureau of Reclamation.

Reimbursements

The District is also projected to receive $10.4 million in capital reimbursements for several projects in FY 2010-11, including:

- $2.1 million in state and federal reimbursements for the San Luis Reservoir Low Point project;
- $1.6 million in local reimbursements for Pacheco Pumping Plant maintenance; and
- $1.6 million in federal reimbursements for the Advanced Treatment Recycled Water Project.

FY 2010-11 budget priorities and challenges

Responding to a slowly recovering economy

We're continuing efforts to cut costs and work more efficiently as Santa Clara County begins to recover from the economic recession. In the FY 2010-11 budget, the District has:

- Reduced staffing by an additional 25 positions, for a total of 82 over the last three years
- Consolidated services and functions wherever possible for efficient operations
- Reduced management positions by 14 percent
- Decreased funding for non-mandatory training
- Invested in equipment, infrastructure and asset management to ensure efficient, continual workflow and delivery of services

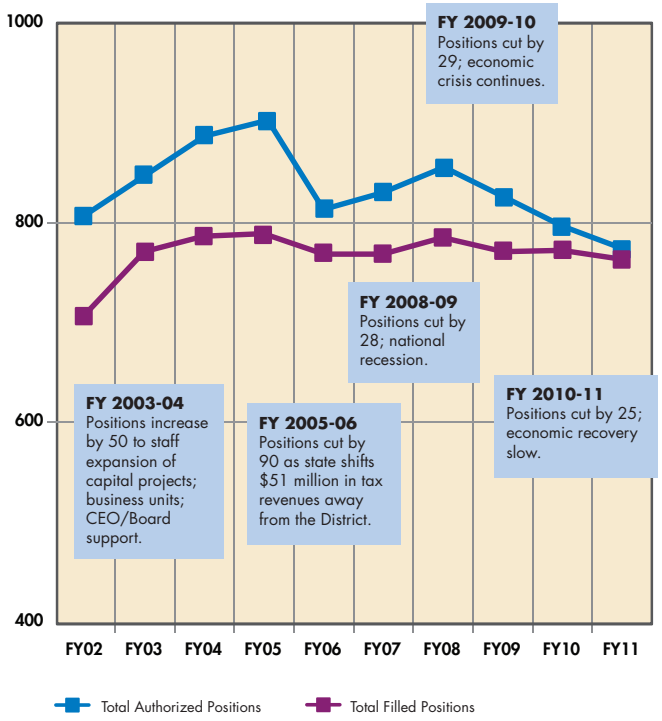
Planning for state budget uncertainty

In FY 2009-10, the District lost $4.8 million in property tax revenue due to a tax shift by the state of California. How the state's ongoing fiscal crisis could impact the water district in FY 2010-11 is uncertain. Provisions of Proposition 1A, signed into law in 2009, require the state to repay the $4.8 million with interest within three years. The law also is intended to prevent the state from making a similar tax shift again until the loan is paid.



The District's award-winning "Save 20 Gallons" campaign helped residents and businesses save more than 25,000 acre-feet of water in the county between May 2009 and January 2010.

District staffing trends, FY 2002-2011



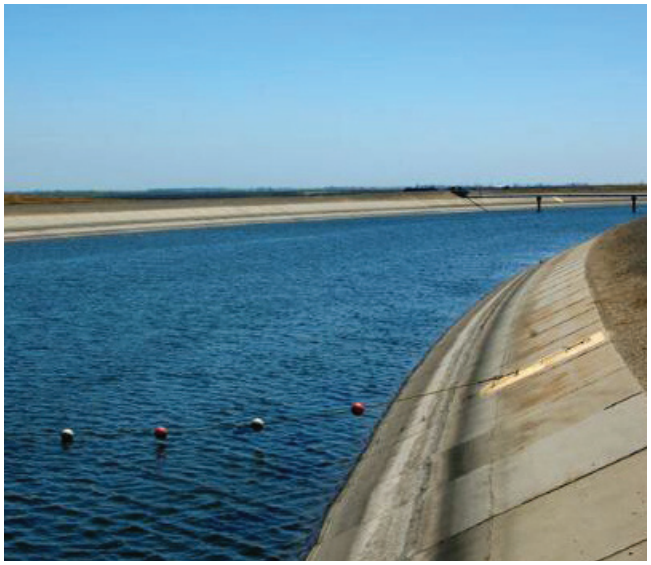
District staffing levels have decreased by more than 10 percent in recent years.

Continuing conservation success; also decreased water revenue

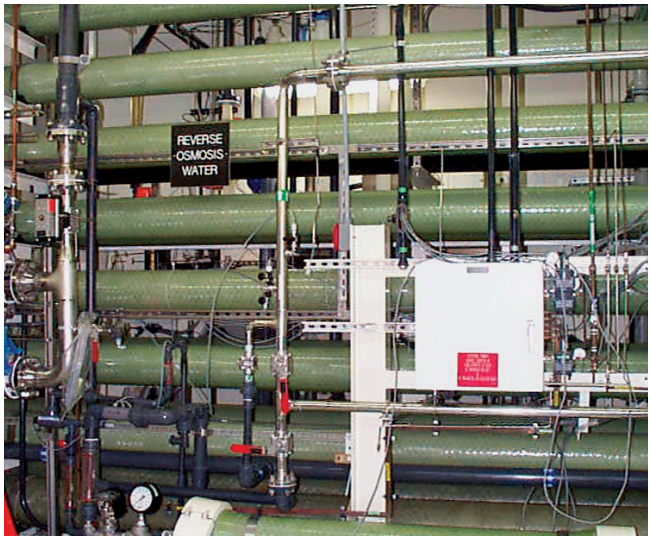
The 2009-10 fall and winter seasons brought needed rainfall to Santa Clara County. In 2009, at the height of an extended dry period, the District Board of Directors called for a 15 percent mandatory water conservation target, supported by an innovative promotional campaign. The public responded positively, achieving a 17 percent rate of water conservation. There's never enough water to waste: the campaign continues in FY 2010-11.

Conservation is projected to contribute to a reduction in District revenue of approximately $5.8 million in FY 2010-11, which will be addressed through operational efficiencies. Ongoing public outreach to encourage water conservation is allocated $750,000 in the proposed budget.

FY 2010-11 budget priorities and challenges



Part of the State Water Project, the California Aqueduct carries water from the Sacramento-San Joaquin Delta to San Luis Reservoir, which supplies some of the District's water supply.



The District's Recycled Water Advanced Treatment Project will partner with the city of San Jose to construct a plant to produce distilled-quality recycled water for blending with existing recycled water.

Securing imported water supplies

Water imported into the county—mostly from the Sierras via the Sacramento-San Joaquin Delta—accounts for just under half of the county's water supplies provided by the District. Although 2010 local supplies are about average, imported supplies are still limited by regulatory constraints and residual effects of recent dry years. FY 2010-11 budget impacts related to imported water include the following:

- The District's 2010 State Water Project (SWP) allocation is 40 percent of the contract amount. Our federal Central Valley Project (CVP) irrigation allocation is 40 percent, up from 10 percent last year, while the CVP municipal/industrial allocation is 75 percent, up from 60 percent last year.
- The District's imported water program is budgeted $52.3 million, 26.5 percent of the Water Utility Enterprise budget.

Expanding high-quality recycled water

Recycling, or reusing, highly treated wastewater helps conserve precious drinking water resources. Recycled water currently makes up about four percent of the District's water supply, and is planned to expand in the future. In 2010, the District's Board approved two agreements with the City of San Jose to partner in building a facility that will produce about eight million gallons per day of near-distilled-quality recycled water. This advance-treated water will be blended with existing recycled water for expanded use in industry and irrigation, and is allocated in $8.8 million in FY 2010-11, including $1.4 million in funding from the state Department of Water Resources.

Managing infrastructure assets for reliability

District infrastructure is under heavy demand around the clock to keep water flowing, maintain flood protection and protect the environment. We manage our infrastructure and equipment to prevent any problems that could disrupt these services.

In FY 2010-11, the District will:

- Rebuild pumps and replace control equipment at our largest pump station
- Replace or refurbish old or aging equipment at our water treatment plants
- Conduct special analyses at District dams to check for seismic safety
- Inspect our transmission pipelines, which carry water throughout the county
- Maintain numerous percolation ponds, which help replenish groundwater supplies

FY 2010-11 budget priorities and challenges

The District's asset management program schedules preventative maintenance and plans the timing and costs for repairs or replacement of equipment for all our water supply, flood protection and environmental stewardship work. The program, which helps the District maintain a high level of service and meet both regulatory requirements and customer needs, is budgeted the following for FY 2010-11:

- District Asset Management Framework - $0.9 million
- Watersheds Total Asset Management Program - $1.6 million
- Water Utility Asset Management Program - $0.6 million

Ensuring dam safety

As part of the comprehensive dam safety program for the District's 10 dams, we work closely with state and federal regulators on dam operation and safety, including seismic stability evaluations. Activities for FY 2010-11 include:

- Monitoring, analyzing and reporting on dam condition, completion of a safety inspection and report on Anderson Dam, as required by the Federal Energy Regulatory Commission, and emergency preparedness and response work, including training and deploying a post-earthquake dam assessment team, allocated $1.6 million.
- Dam/reservoir maintenance and associated environmental planning, allocated approximately $1.7 million.
- Completion of a seismic stability evaluation for Anderson dam; completion of field and lab investigations and agreement on engineering material properties for the Almaden, Calero and Guadalupe dams; and completion of the field and lab investigations for Stevens Creek and Lenihan dams as part of the Dam Safety Seismic Stability capital project, budgeted at $1 million.

Master planning for the future

The District's long-range planning helps guide the investment of public funds for the delivery of services to local communities. It allows us to plan for needs and unforeseen challenges, such as droughts, regulatory and economic concerns and natural disasters. Master plans document long-term planning, developed with input from stakeholders, community and the District's Board, and ensure that future funding strategies are based on solid principles.

Two master plan efforts are currently underway: the Water Supply and Infrastructure Master Plan, scheduled to be completed by December 2012, and other long-range planning is allocated approximately $1 million in FY 2010-11; and the Flood Protection and Stream Stewardship Master Plan, scheduled for completion by February 2011, is allocated $0.8 million.



Anderson Dam and Reservoir, the county's largest, can store 90,373 acre-feet of water.





In 2009, a massive pipeline that connects the South Bay Aqueduct with a state reservoir failed, creating potential water shortages for customers, including the District. Fortunately, flexibility built into the District's water supply system allowed us to switch to alternate supplies and avoid business interruptions. District master planning ensures continued investments in our infrastructure, so that we can maintain system flexibility and business continuity.

FY 2010-11 budget priorities and challenges

Capital projects help provide services and jobs

The District plans, manages and carries out capital projects to deliver services to the communities of Santa Clara County. As these projects involve construction and consulting firms and other non-District vendors, they also provide a vital source of local jobs. District capital projects are projected to create or sustain between 1,100 and 2,200 local jobs in FY 2010-11.

For FY 2010-11, $89 million is allocated for capital improvement projects, with additional projected carry-forward of $81 million from FY 2009-10, for a total of $170 million. Projects are prioritized and planned as part of the Five-Year Capital Improvement Program (CIP), which currently includes 95 funded projects. Estimated total funding required to implement these projects over five years is $2.063 billion. The District has been and continues to be successful in leveraging funding for capital projects through partnerships with federal, state and local agencies. Of the $2.063 billion estimated future funding, $553 million is expected from the District's various partners, including the U.S. Army Corps of Engineers, and $1.51 billion from local funding.

Examples of major capital projects for FY 2010-11 include:



Water Supply
Dam Safety Program
- Delivers seismic stability improvements for public safety, operational availability of reservoirs and asset protection. ($1 million in FY 2010-11)



IRP2 Well Fields
- Delivers approximately 20 new wells to provide reliable emergency water supply to retail water providers following a catastrophic event. ($79,000 for FY 2010-11)



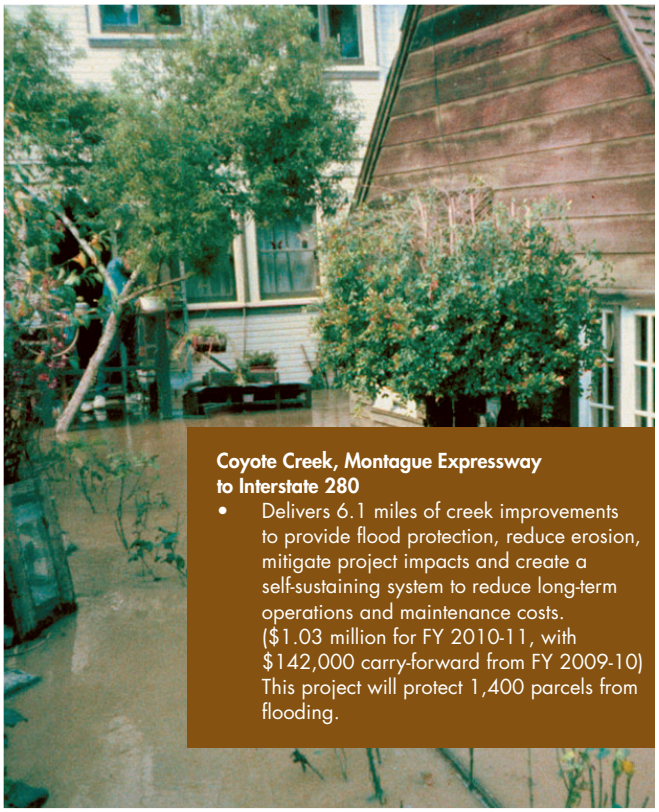
Rinconada Water Treatment Plant Reliability Improvements
- Delivers plant improvements for better taste and odor control, reduction of filter loading and washwater clarification. ($346,000 for FY 2010-11, with $1.7 million carry-forward from FY 2009-10)

FY 2010-11 budget priorities and challenges

Flood Protection
Permanente Creek, San Francisco Bay to Foothill Expressway

- Delivers 10.6 miles of creek improvements to provide flood protection, reduce erosion, restore environmental benefits or enhance recreation where opportunities exist. (carry-forward of $300,000 from FY 2009-10) This project will protect 1,664 parcels from flooding.





Coyote Creek, Montague Expressway to Interstate 280

- Delivers 6.1 miles of creek improvements to provide flood protection, reduce erosion, mitigate project impacts and create a self-sustaining system to reduce long-term operations and maintenance costs. ($1.03 million for FY 2010-11, with $142,000 carry-forward from FY 2009-10) This project will protect 1,400 parcels from flooding.



Sunnyvale East and West Channels

- Delivers channel improvements to provide flood protection, reduce erosion, protect fish and wildlife habitat and restore environmental benefits or enhance recreation where opportunities exist. ($1.06 million for FY 2010-11, with $1.6 million carry-forward from FY 2009-10)

East: This project will protect 1,618 parcels from flooding.

West: This project protects a primarily industrial area from potential flood damages. It includes more than 47 acres of valuable industrial property, including Onizuka Air Force Base (the "blue cube") satellite tracking station.

Water supply services and distribution system

The water district provides a reliable, safe supply of water year-round via a complex network of distribution and treatment facilities including 10 reservoirs; three drinking water treatment plants; three pumping stations; 153 miles of pipelines; and 393 acres of ponds that "recharge," or replenish, the groundwater basins.

The District's system links with the federal San Felipe Project and the state South Bay Aqueduct to bring imported water into the county. The District's system conveys about 150 million gallons of water each day.

Watershed, flood protection and stream stewardship services



A water district work crew installs a natural log weir in a creek to provide a resting pool for migrating endangered steelhead trout.

More than 800 miles of creeks flow through Santa Clara County, which is divided into five watersheds. Watersheds are areas of land that drain a common waterway. Creeks catch rain and storm drain runoff, carrying the water to the San Francisco and Monterey bays. The water district works to protect both the natural attributes of these waterways and the communities that surround them as part of its watershed stewardship core function. Fifty years of working for flood protection has reduced the intensity and frequency of flooding in the county.



Water utility zones



Two major water utility zones are the basis for District groundwater production charges, which pay for all operations and capital projects associated with managing District groundwater supplies. Each zone has its own separate water system and significantly different costs for providing services. Both zones use local and imported water to "recharge," or replenish, the groundwater basins.The North Zone, or Zone W-2, encompasses the Santa Clara Valley groundwater basin north of Metcalf Road. The North Zone has more infrastructure than the south, including three drinking water treatment plants and several pump stations to serve mostly municipal and industrial water needs.

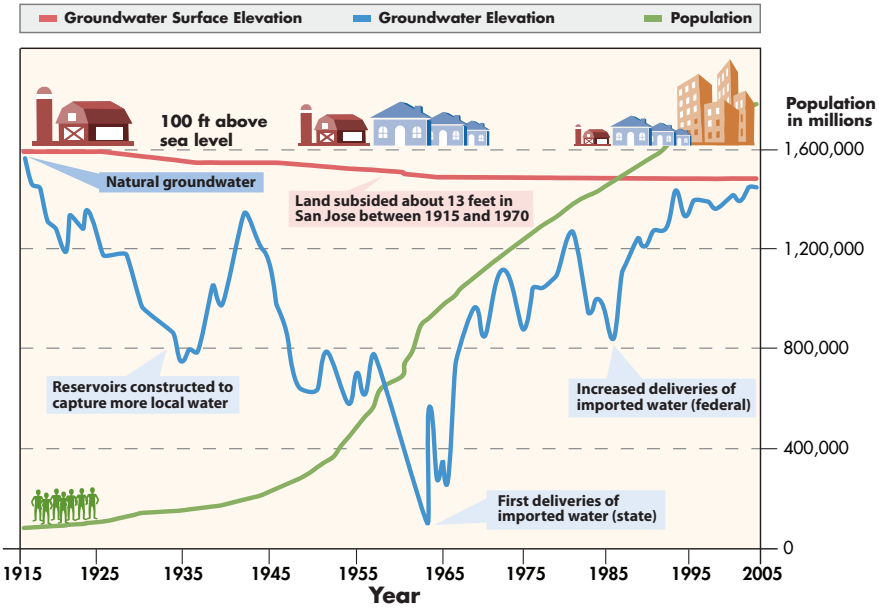
In the South Zone, or Zone W-5, more of the water use is agricultural. Covering the entire Llagas groundwater basin from Metcalf Road south to the Pajaro River, the South Zone has no treatment plants and relies on groundwater and recycled water.

Groundwater: **Investing in reliability**

Local groundwater is the foundation of the District's water supply, and is augmented by a comprehensive water supply portfolio to meet the needs of county residents, businesses, agriculture and the environment.

In addition to groundwater, our sources of supply include local runoff captured in District reservoirs; water imported from the Sierras via the Sacramento-San Joaquin Delta and the Hetch Hetchy system; and highly treated recycled water, for non-potable purposes. Conservation helps stretch available water supplies.

Groundwater Levels



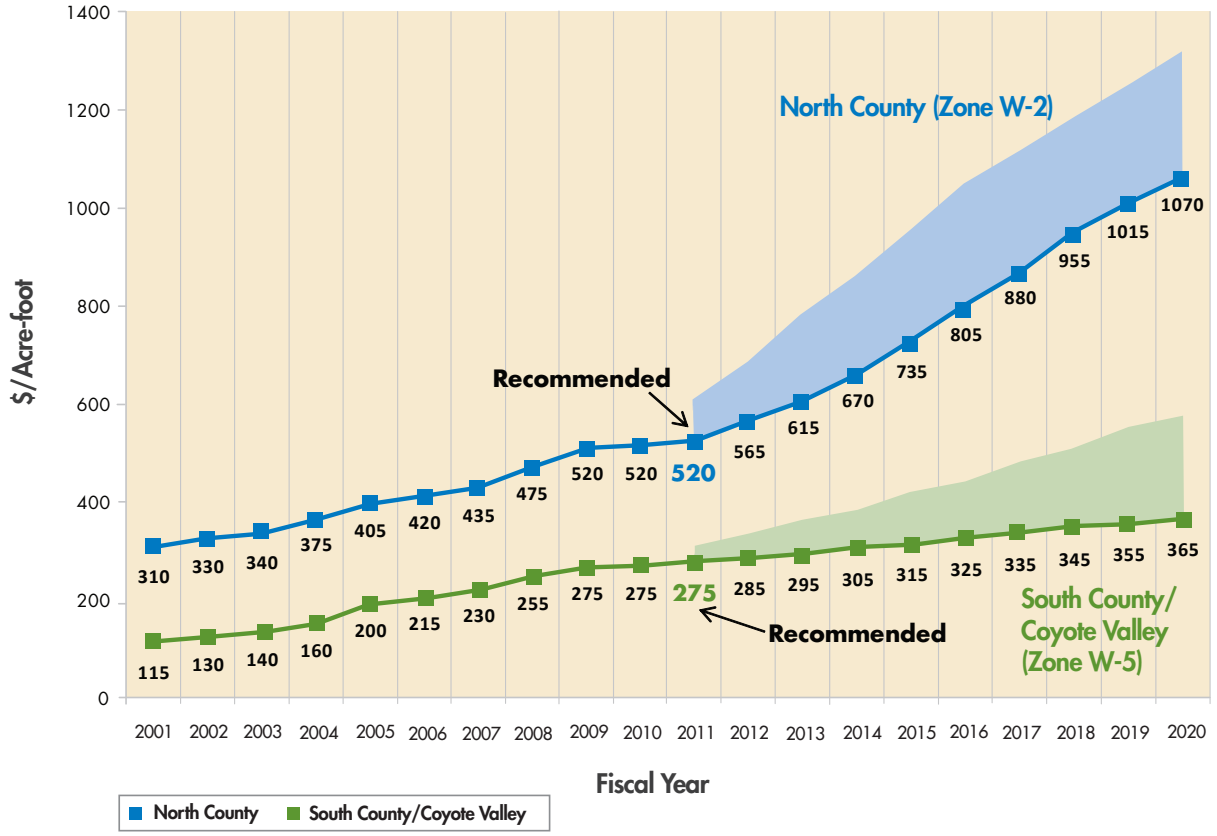
The District's groundwater management program –including reservoirs and imported water to replenish the groundwater basin— helped end historical land subsidence (sinking) from over-pumping. Groundwater management work is funded by groundwater production charges paid by well owners.

Groundwater management charges help pay for water supply reliability. The District charges well owners in the county for production of groundwater. These charges pay for all aspects of the groundwater management program, including imported water purchases and facilities such as groundwater recharge ponds; activities that protect the groundwater basin from contamination and pollutants; construction, maintenance and operations for facilities that conserve or distribute water; and debt related to these activities.

Without the revenue from groundwater production charges, the District would not be able to replenish and preserve the groundwater aquifer. Well owners could again experience wells running dry and land subsidence (sinking), as occurred in the past.

Groundwater: **Investing in reliability**

Proposed FY 2010-11 groundwater production charges for municipal and industrial uses



The lower end of the ranges (shaded areas) represents the proposed groundwater production charges for FY 2011-2020. The corresponding future trajectory is based on the assumption that operating services will continue at the level budgeted in FY 2010-11. The high end of the ranges shows amounts needed for funding all operational and capital needs identified by water utility staff. Future uncertainties could result in the identification of additional needs.

No increase in water charges proposed for FY 2010-11

The water district has again proposed no increase in groundwater charges--for a third straight year. This practice is in contrast to most other agencies across the state, some of which are adopting double-digit increases.

In FY 2009-10, the District provided well owners the opportunity to formally protest the charges, enhancing the existing public hearing process. The formal protest process, which complied with Proposition 218, did not result in a majority protest from either North County or South County well owners.

In lieu of the additional charges, the District has eliminated non-essential services and has consolidated functions. We will continue to seek ways to cut costs while still meeting the need for critical services.

Wholesale agency rate comparison

Wholesale Agencies	FY 2009-10	FY 2010-11	%	
SCVWD North W-2 (Groundwater production per AF)	$520	$520	0.0%	Staff Recommendation
SCVWD North W-2 (Treated Water per AF)	$620	$620	0.0%	Staff Recommendation
SCVWD South W-5 (Groundwater production per AF)	$275	$275	0.0%	Staff Recommendation
Metropolitan Water District (Treated Water per AF)*	$787	$846	7.5%	Adopted
Metropolitan Water District (Untreated Water per AF)*	$570	$613	7.5%	Adopted
Orange County Water District (Groundwater per AF)**	$249	$266	6.8%	Projected
San Diego County Water Authority (Treated Water per AF)*	$978	$1160	18.6%	Projected
San Francisco Public Utilities Commission (Treated Water per AF)	$719	$828	15.2%	Projected
Zone 7 Water District (Treated Water per AF)*	$878	$951	8.3%	Projected

*MWD, SDCWA and Zone 7 rates are based on a calendar year. (i.e. 2011 rate would be effective on 1/1/2011)

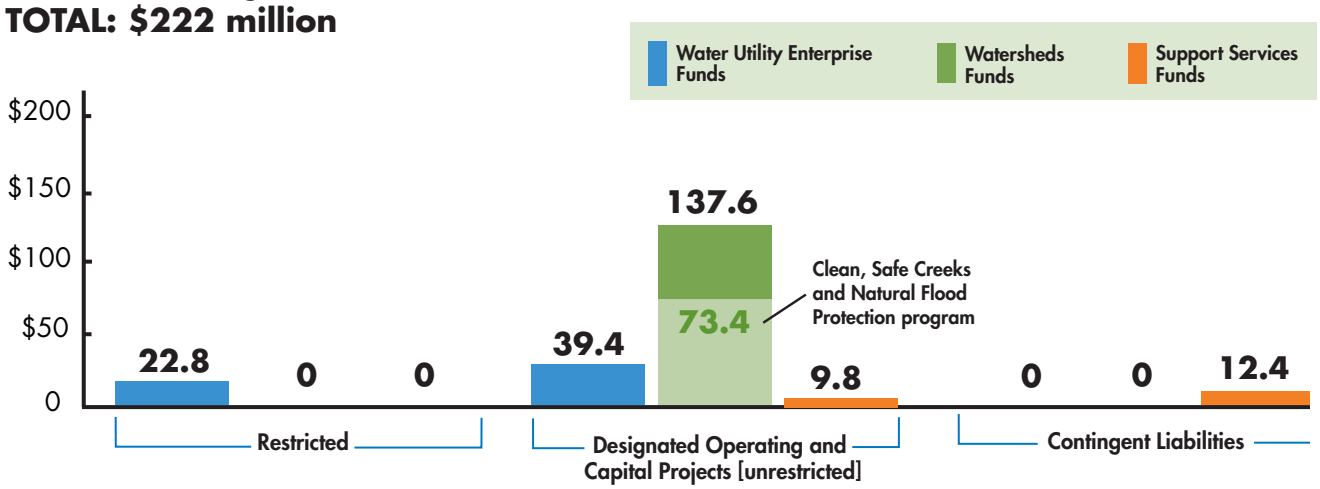
Reserves profile

Reserves are budgeted funds set aside for specific purposes, such as debt financing requirements, or to pay for future needs, such as infrastructure refurbishment.

"Restricted" reserves have legal, regulatory or contractual limitations, and may be spent for specific purposes only. "Unrestricted" reserves do not have externally-imposed restrictions, but are designated for specific uses, such as capital construction, operations and maintenance activities, or to meet uninsured catastrophic losses. "Contingent Liabilities" are reserves designated to cover future costs of current liabilities from insurance and workers compensation claims, and for uninsured property losses.

The District Reserve Policy is reviewed annually in public session with our Board of Directors, and ensures that reserves are used for their intended purposes. Use of reserves requires a budget adjustment to be approved by the Board in a public meeting.

Budgeted total reserves balance
Fiscal Year ending June 30th, 2011
TOTAL: $222 million



Reserves are critical for effective response to natural catastrophes and other emergencies. Both the Water Utility Enterprise and Watersheds have set aside separate reserve funds for emergencies, future maintenance requirements and unforeseen needs, per District Reserve Policy. For Watersheds, about half of the designated reserves will fund projects from the voter-approved Clean, Safe Creeks and Natural Flood Protection program.

OVERVIEW

The Santa Clara Valley Water District's (District) Fiscal Year 2010-11 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects from Fiscal Year 2010-11 through Fiscal Year 2014-15. The purpose of the CIP is to document planned District projects to help integrate District work with the larger community by aligning District planning with other local agency planning efforts.

The District's CIP is developed following the guidelines of Government Code (GC) § 65403 which governs the development and annual review of Capital Improvement Programs developed by special districts in the State of California. State law requires that the program be reviewed and updated annually. It also requires circulation of the document to all agencies having land use authority within the District prior to adoption of the program. This document is intended to provide the information necessary to facilitate planning and construction of water related infrasructure to meet the needs of Santa Clara County.

SANTA CLARA VALLEY WATER DISTRICT

Mission

The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner.

The CIP is prepared in accordance with the guidelines established by the Government Finance Officer Association (GFOA). Capital projects in this document are defined by both the accounting criteria for capital investment and Public Contract Code definition of public works. They exceed $50,000 in cost, have long-term life spans and are generally nonrecurring. They usually fall within one of the following six categories.

1. Acquisition of land for public purpose
2. Construction of a significant facility, i.e. a flood protection facility, a water treatment facility, or a building
3. Addition to or expansion of an existing facility
4. Nonrecurring rehabilitation or major repair to all or part of a facility provided the total cost is more than $50,000
5. Specific planning, engineering study, or design work related to an individual project which falls within the above categories
6. Significant one-time investment in tangible goods of any nature, the benefit of which will accrue over several years. Examples include items such as large initial investments or improvements in technology or the purchase of a new telephone system.

There are some miscellaneous capital expenditures incurred by the District that are not captured in the CIP. These capital expenditures include certain components of water purchases, indirect costs to manage and train staff that are fully engaged in capital work, and routine replacement of computers, vehicles and large equipment.

ALIGNMENT WITH ENDS POLICIES

The District plans, manages and carries out capital improvements to comply with the Ends Policies and Executive Limitations established by its Board of Directors. Under the District's Policy Governance Model, Ends Policies describe the outcomes or results to be achieved by District staff. Balancing the Ends Policies are the Executive Limitations, which set limits on staff activities in fulfilling the Ends.

Program plans or master plans are developed to achieve the results established by the Ends Policies and to further define the goals and objectives of each Ends Policy. The Board either formally approves the plans or provides direction to staff, confirming the goals and objectives. These plans then become the basis for staff to propose and develop individual capital projects.

Alignment of the CIP with program or master plans provides a direct link to Ends Policies and ensures the District's long-term capital investments are planned and executed according to the Board's priorities. Four Ends Policies directly drive program or master plans and the types of capital improvements described in the CIP.

- Ends Policy E-2 "There is a reliable, clean water supply for current and future generations.
- Ends Policy E-3 "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations."
- Ends Policy E-4 "There is water resources stewardship to protect and enhance watersheds and natural resources and to improve the quality of life in Santa Clara County."

(See flowchart "CIP Process Alignment with Ends Policies" on page II-4)

CIP PLANNING PROCESS

The District conducts an annual planning process for its Capital Improvement Program. The purpose of the planning process is to ensure the capital projects included in the CIP:

- meet the Board's priorities and contribute to the objectives of the District's various programs
- have identified funding for the duration of the projects
- are coordinated with the local jurisdiction's General Plans.

The CIP planning process is carried out in accordance with the following Executive Limitations.

- Executive Limitation EL-4.1.1., "The CEO shall not fail to produce an annual Rolling Five-Year Capital Improvement Plan with the first year serving as the adopted capital budget and the remaining years in place as a projected capital funding plan."
- Executive Limitation EL-4.2.1., "The CEO shall not fail to demonstrate to the Board the planned expenditures for the identified and selected capital projects in the Rolling Five-Year Capital Improvement Plan do not deviate materially from the Board's priorities."

The annual CIP process is the responsibility of the CIP Committee comprised of division/office managers, with the responsibility to initiate or implement capital projects. The detailed process is a documented ISO procedure. It includes the following key steps:

- Management review and approval, to ensure staff proposed projects are aligned with Board policies and approved program plans
- Prioritization of all projects, including continuing and newly proposed projects, to ensure the projects in the CIP reflect Board priorities
- Financial analysis, to determine the capacity of the District's capital funding sources to fund the proposed capital projects
- Outreach to local jurisdictions within Santa Clara County, to coordinate the District's Capital Improvement Program with their General Plans
- Board review and direction at appropriate steps, to ensure the CIP reflects Board policies and priorities
- Board adoption of the CIP plan

The annual CIP planning process takes approximately 10 months to complete. The process starts with collecting information on proposed new capital projects in July, followed by preliminary scoping, priority and financial analyses to produce a Draft CIP in January. The Draft CIP serves as a multi-year plan, together with other long-term planning efforts of the District, is the basis for the budget for the following fiscal year. This Draft CIP plan is also reviewed by local jurisdictions for consistency with their General Plans. While the CIP is being reviewed by the cities and County the budget is being reviewed and finalized. The Board concludes the outreach on the CIP with a public hearing. The first year of the CIP is reconciled with the budget and the two documents are presented to the board for formal adoption in April.

Board Direction and CIP Outreach

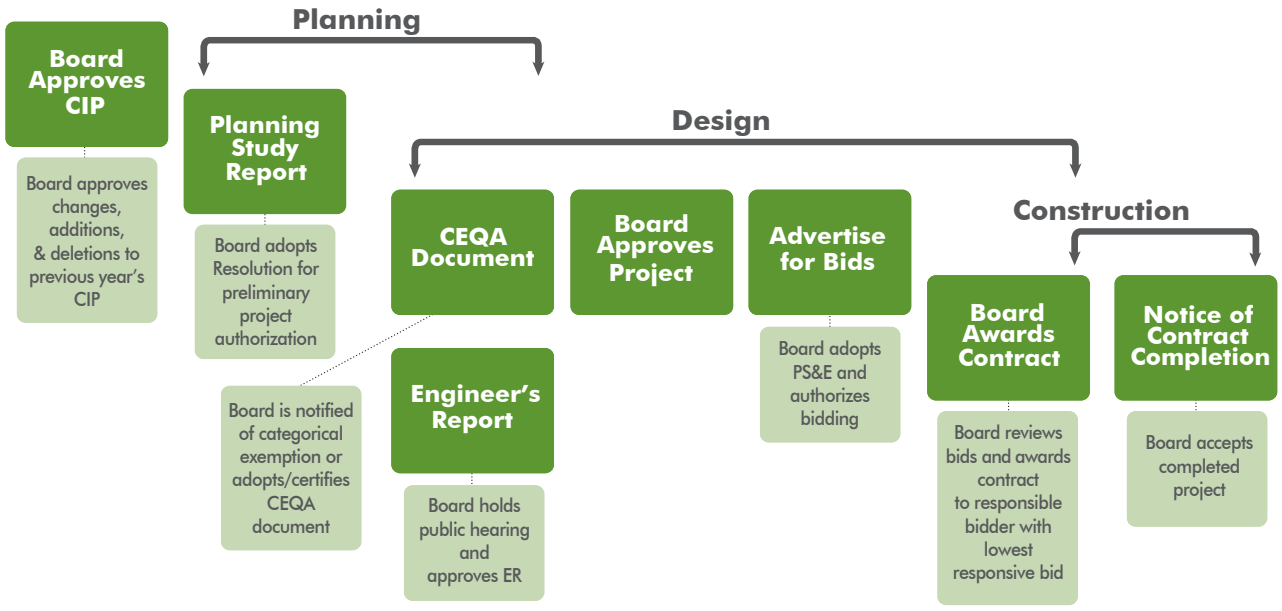
The Board has many opportunities each year to provide direction on projects contained in the Capital Improvement Program. The CIP is developed in parallel with the budget and the water rates. It is presentedto the Board on three separate occasions for review and input. Early in the process the criteria and project list are presented to the board so they can provide direction to staff, ensuring that the document is developed in accordance with board priorities. The direction received is used to develop the Draft CIP which is reviewed and accepted by the Board before staff is authorized to release the document for public review.

On January 12, 2010 the FY 2010-11 project list and prioritization criteria were reviewed and endorsed by the Board. The following are highlights of changes from the previous year that were approved as the basis for the FY 2010-11 CIP:

- Operational savings and future revenue projections for the watershed and stream stewardship fund resulted in $105 million in available funding which was allocated to 8 unfunded or partially funded watershed projects.
- Plans to keep the ground water production charges at the same level as the previous two years resulted in a loss of $150 million in available revenue for water supply projects. After accounting for other changes to the CIP, funding for the IRP2 Well Field Project was reduced to $80 million to absorb this shortfall.
- 6 new projects were funded to facilitate the repair and replacement of District assets. 4 of the new projects were added to Water Utility and 2 were added to Flood Protection.
- 14 projects closed and were removed from the CIP.

Each project in the CIP goes through a planning phase, design phase and construction phase. The Board may determine to not implement a project based on various considerations such as financial constraints, environmental impacts or community desire during a project's planning or design phases. Approval of a capital project by the Board occurs at the end of the design phase when the Board approves the plans and specifications to solicit bids for construction of the project.

Opportunities for Board Direction on Capital Projects



CIP PROCESS ALIGNMENT WITH ENDS POLICIES

Ends Policy E-2
There is a reliable, clean water supply for current and future generations.

Program Plans or Master Plans
- **1990** SCVWD Action Plan for reducing disinfection by-product (Board approved)
- Integrated Water Resource Plan (Board Work Studies)
- **1999** Producer-Wholesaler Agreement for Supply of Recycled Water between SCRWA and the District (Board approved)
- **2004** Santa Clara Valley Water District AssetManagement Program Implementation Plan
- **2005** Urban Water Management Plan (Board approved)
- **2005** Dam Safety Plan
- **2005** Water Infrastructure Reliability Plan
- **2006** South County Water Recycling MasterPlan (Board approved)

FY 2010/2011 CIP
- **57 - Water Supply Capital Projects**

Ends Policy E-3
There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations.

Program Plans or Master Plans
- **1986** Benefit Assessment Program (Board approved)
- **1990** Benefit Assessment Program (Board approved)
- **2000** Clean Safe Creek Program (Board approved)
- **2001** Stream Maintenance Program (Board approved)Annual Watershed Facility Inspection Program (for Lower Peninsula, West Valley, Guadalupe, Coyote and Uvas/Llagaswatersheds)
- Feasibility Cost Sharing Agreements with the US Army Corps of Engineers

FY 2010/2011 CIP
- **19 - Flood Protection Capital Projects**

Ends Policy E-4
There is water resources stewardship to protect and enhance watersheds and natural resources and to improve the quality of life in Santa Clara County.

Program Plans or Master Plans
- CEQA commitments
- Regulatory permitting commitments
- Enhancement Program per Clean Safe Creeks Program (Board approved)
- Enhancement opportunities determined appropriate by the Board
  - Fish and Aquatic Habitat Collaborative Effort
  - Natural Resource Damage Assessment
  - Other

FY 2010/2011 CIP
- **13 - Water Resources Stewardship Projects**

Strategic Support

Program Plans or Master Plans
- **1990** Facilities Master Plan - Site Analysis Report (Board approved)
- **2005** Needs Assessment and Plan Feasibility Study

FY 2010/2011 CIP
- **2 - Buildings and Grounds Capital Projects**

Strategic Support

Program Plans or Master Plans
- **2001** Information System Master Plan
- **2003** Enterprise-wide Master Communication Plan

FY 2010/2011 CIP
- **4 - Information Technology Capital Projects**

CIP Prioritization and Financial Analyses

FISCAL YEAR 2010-11 CIP SUMMARY

The recommended CIP for FY 2010-11 includes 95 priority projects to implement the goals and objectives of the District's program plans and master plans. These projects are grouped into five types of improvements.

- *Water Supply Capital Improvements*
  57 projects contributing to Ends Policy E-2
- *Flood Protection Capital Improvements*
  19 projects contributing to Ends Policy E-3
- *Water Resources Stewardship Capital Improvements*
  13 projects contributing to Ends Policy E-4
- *Buildings and Grounds Capital Improvements*
  2 projects supporting District efforts to achieve the Ends Policies
- *Information Technology Capital Improvements*
  4 projects supporting District efforts to achieve the Ends Policies

Each of the 95 projects in the CIP has an identified funding source based on the type of improvement or function of the project.

The principal sources of revenue for the District are property taxes, a special parcel tax and water production charges for use of groundwater, treated water, and surface water. These revenues are organized into seven funds. Six of the seven funds have a specific purpose and only finance the operational and capital expenditures related to that purpose. In 2008 the Board decided to combine the individual watershed funds into a county-wide watershed and stream stewardship fund to send the message that the watershed activities are managed for the benefit of the county. This also streamlines most tracking and accounting activities for staff. The District continues to receive a small amount of revenue from benefit assessments that were approved by voters in the 80s and 90s. These funds are dedicated to specific watersheds and the accounting practices to ensure that they are spent and accounted for appropriately have been kept in place. As shown in the chart below, four of the seven funds are used to finance the five types of capital improvements in the CIP.

The passage of the American Recovery and Reinvestment Act (ARRA) by congress in February of 2009 made additional federal funds available for construction of infrastructure projects. With 82 active capital projects the distict was well positioned to benefit from ARRA funds. Five of the projects in the FY2010-11 CIP are partially funded by ARRA funds. District has recieved an $18 million commitment from the Natural Resource Conservation Service (NRCS) to continue work on Lower Silver Creek, from I-680 to Lake Cunninham. The US Army Corps of Engineers (USACE) had secured $12.5 million to complete the downtown portion of the Guadalupe River project. The US Bureau of Reclamation committed $8.3 million for Recycled Water Advanced Treatment Facility WPCP and up to $1.6 million for Recycled Water Master Plan - Short Term. The California Coastal Conservancy committed $700 thousand for construction of the Pond A8 advanced study project from a larger NOAA grant for the South Bay Salt Pond Restoration.

This chart identifies which types of improvement are associated with each of the District's four capital funds.

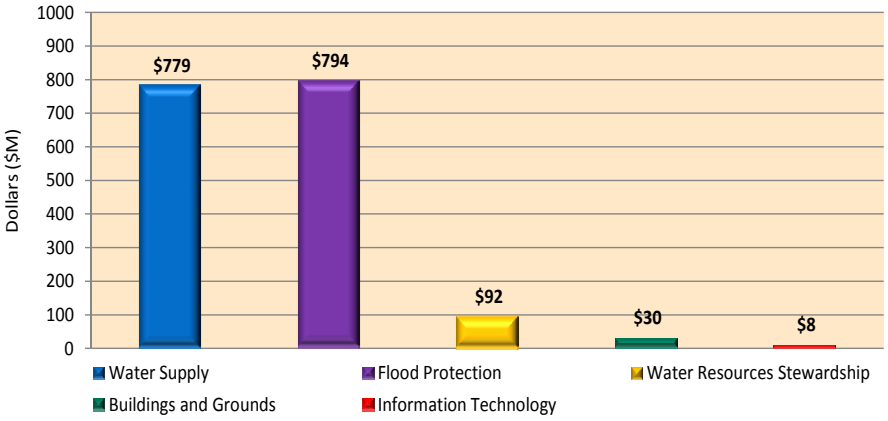
DISTRICT PRIORITIES	District Funds			
Type of Improvement	Water Enterprise Fund	Watershed Stream Stewardship Fund	General Fund	Clean Safe Creeks Funds
Water Supply	♦			
Flood Protection		♦		♦
Water Resources Stewardship	♦	♦		♦
Buildings and Grounds	♦		♦	
Information Technology	♦	♦		

The estimated total funding required to implement the 95 projects defined in the CIP is $2.063 billion. The District has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the $2.063 billion total funding, $553 million is expected from the District's various partners, such as the U.S. Army Corps of Engineers (USACE), and $1.51 billion from the District. A list of projects that are funded cooperatively with the District's partners is summarized in Appendix C. Funding from partners for the cooperative capital projects generally come in two ways:

- Funds that are made available by the partners when needed, or
- Funds that are reimbursed by the partners after the District advances the needed funds.

Of the $553 million that is expected from the District's partners, $193 million is advanced by the District and reimbursed later. This $193 million is included in the CIP, and increases the District's total funding requirement from $1.51 billion to $1.703 billion, to ensure that the District has adequate funding to advance the reimbursement.

CIP Funding by Type of Improvement

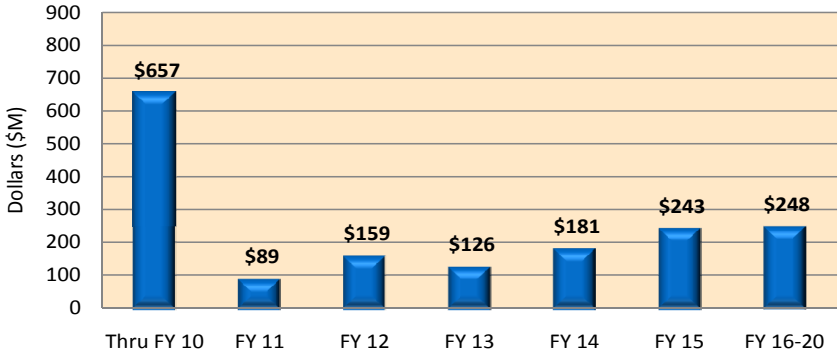


The chart above shows the distribution by type of improvement, of the $1.703 billion total CIP funding as planned in the FY 2010-11 CIP.

The chart shows how the $1.703 billion to implement the 95 projects is allocated to each of the five Types of Improvements.

Of the $1.703 billion in total funding for the 95 projects identified in the CIP, the Board has appropriated $657 million in prior years (through June 30, 2010 the end of Fiscal Year 2009-10). This year's CIP process identified additional funding needs of $1.046 billion to complete the projects in the CIP, with $89 million allocated in Fiscal Year 2010-11 and a total of $958 million proposed for future years. Included in the $958 million proposed future funding is a funding shortfall of $3.5 million, for projects funded by the Clean, Safe Creeks and Natural Flood Protection Fund. The following table breaks down the fiscal year total by the five types of improvement and by applicable funding sources.

CIP Funding Schedule



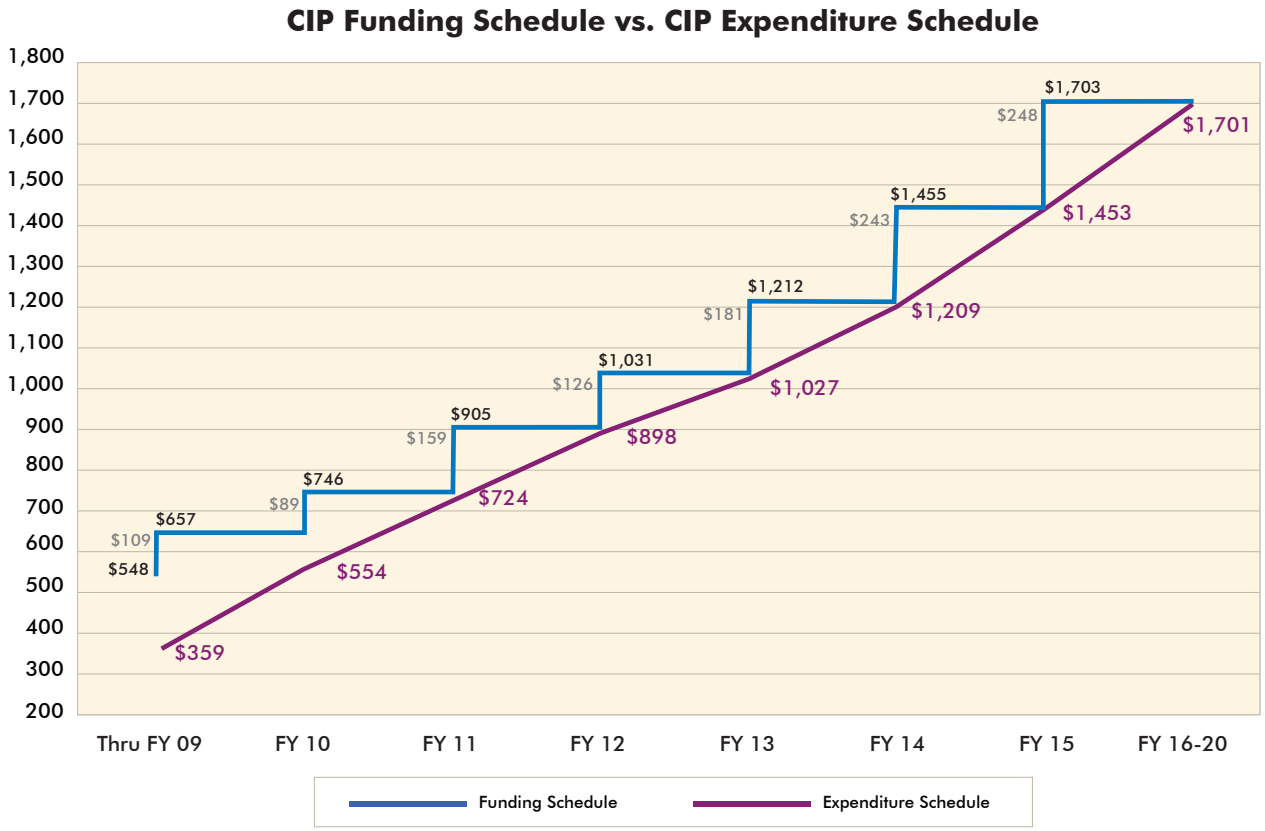
The chart above shows how the $1.703 billion is distributed by fiscal year.

CIP Funding Schedule by Type of Improvement and Funding Sources ($K)

	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY15-20	TOTAL
WATER SUPPLY										
Water Enterprise Fund	158,239	31,065	70,788	43,352	76,684	72,800	54,351	173,658	168,592	778,741
Water Supply Total	158,239	31,065	70,788	43,352	76,684	72,800	54,351	173,658	168,592	778,741
FLOOD PROTECTION										
Watershed Stream Stewardship Fund	216,447	35,582	6,959	16,342	9,003	5,526	39,464	555	49,136	372,055
Clean, Safe Creeks and Natural Flood Protection Fund	134,182	27,180	5,194	26,093	61,004	28,675	77,666	65,225	2,250	422,275
Flood Protection Total	350,629	62,762	12,153	42,435	70,007	34,201	117,130	65,780	51,386	794,330
WATER RESOURCES STEWARDSHIP										
Water Enterprise Fund	6,200	3,392	2,952	141	2,525	4,858	4,272	563	12,348	34,299
Watershed Stream Stewardship Fund	23,556	9,075	15,883	462	6,985	11,683	1,435	721	1,417	55,334
Clean, Safe Creeks and Natural Flood Protection Fund	250	-	-	-	509	397	1,568	-	-	2,724
Mitigation Total	30,006	12,467	18,835	603	10,019	16,938	7,275	1,284	13,765	92,357
BUILDINGS AND GROUNDS										
General Fund	n/a	2,084	-	2,086	2,176	2,269	2,367	2,469	14,029	27,480
Buildings and Grounds Total	1,918	2,223	136	2,086	2,176	2,269	2,367	2,469	14,029	29,537
INFORMATION TECHNOLOGY										
Water Enterprise Fund	6,566	386	362	71	210	-	-	-	-	7,233
Watershed Stream Stewardship Fund	936	-	339	9	212	-	-	-	-	1,157
Information Technology Total	7,502	386	701	80	422	-	-	-	-	8,390
TOTAL	548,294	108,903	102,613	88,556	159,308	126,208	181,123	243,191	247,772	1,703,355
CUMULATIVE TOTAL	548,294	657,197		745,753	905,061	1,031,269	1,212,392	1,455,583	1,703,355	

FY 2009-10 Funds to be reappropriated

As shown in the table, CIP Funding Schedule by Type of Improvement and Funding Sources (on the previous page): approximately $103 million of the already appropriated $657 million is not spent and is reappropriated to Fiscal Year 2010-11 for continued use in those same projects in amounts consistent with the project expenditure schedule for Fiscal Year 2010-11. The following chart explains the relationship between the CIP Funding Schedule and Expenditure Schedule.



WATER SUPPLY CAPITAL IMPROVEMENTS

WATER SUPPLY OVERVIEW

The District manages and operates a complex and integrated water supply infrastructure, including storage, transmission, treatment, and recycled water facilities, to meet the Board's Ends Policy E–2, "There is a reliable, clean water supply for current and future generations."

Storage Facilities

- 10 surface reservoirs
- 393 acres of recharge ponds
- 76 miles of in-stream recharge
- Ground water basins

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled Water Facilities

- South County Recycled Water Distribution System Advanced Treatment Facility

Planning, design and construction of the above facilities took decades of effort. Beginning in the 1930s, reservoirs and recharge ponds were built to halt ground water basin subsidence, followed by pipelines and treatment plants to bring in state and federal water to meet growing water demands in the county.

In the early 1990s, the District embarked on new and challenging capital improvements to upgrade its three drinking water treatment plants in order to meet new Environmental Protection Agency rules for improved water quality required by 1996 amendments to the Safe Drinking Water Act. Fifteen years of effort and capital funding have brought the upgrades at Penitencia and Santa Teresa Water Treatment Plants to completion. Delivery of ozonated water produced at these two treatment plants began in 2006.

Water delivered from the Rinconada plant continues to meet the stricter water quality standards even though the plant was built in the 1960's and is showing its age. The facility renewal program for Rinconada Water Treatment Plant (RWTP) that was started in FY 2008-09 is continuing with five individual capital projects and $8.7 million planned expenditures in FY 2010-11. The CIP includes a total investment of $181 million for improvements at RWTP.

With a significant portion of the Water Supply infrastructure approaching forty to fifty years of age, maintaining and upgrading the existing infrastructure to ensure each facility functions as intended for its useful life became the focus of the Water Supply Capital Improvement Program in recent years, as shown in the CIP.

Major Capital Improvements Identified in CIP

Storage:

- Dam Safety Program Seismic Stability
- Pacheco Pumping Plant ASD Replacement
- Calero/Fellows Dike Improvement
- Almaden Dam Outlet Works Improvement

Transmission:

- IRP2 Well Fields
- Almaden-Calero Canal Rehabilitation
- Main and Madrone Avenue Pipelines Restoration
- Stevens Creek-Vasona Raw Water Distribution

Treatment:

- IRP2 Seismic Study and Retrofit of Water Treatment Plants and Operations Buildings
- Rinconada Water Treatment Plant Facility Renewal Program (five projects)
- RWTP Reliability Improvement

Recycled Water:

- Recycled Water Advanced Treatment Facility at San Jose Water Pollution Control Plant
- Recycled Water Master Plan - Gilroy Pipelines and Reservoirs

WATER SUPPLY CAPITAL IMPROVEMENTS

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new water supply projects proposed to be added to the Fiscal Year 2010-11 CIP reflect the Board's priorities. The priority criteria used to evaluate these projects is included in Appendix A.

A financial analysis of the Water Enterprise Fund, the funding source for water supply capital improvements, was performed to determine the limitations to funding the projects in the approved Fiscal Year 2010-11 capital program. Results of this year's prioritization process and financial analysis are summarized in Appendix B.

Based on the feedback from the FY 2006-07 CIP and Board direction, a concerted effort was made to develop a multi-year water charge structure that would support the priority work of the water utility business. Staff analyzed both immediate requirements and anticipated future needs to support operations and the continued appropriations for capital investment needed to maintain infrastructure and comply with water quality regulations. Each year staff reviews Board priorities, the financial needs of the water utility enterprise fund, current political and economic factors and updates the multi-year structure. The rate structure for the first year is recommended to the Board for adoption during the annual rate setting process.

Out of concern for the poor condition of the overall economy of the County and State the Board chose to hold the water charge rates flat in FY 2009-10 and are considering a similar action this year. Maintaining the rates at the 2008-09 level will reduce the available funding for the water supply CIP by approximately $150 million. This shortfall was made up by a combination of cost savings, better than expected bids for construction and reducing funding for the IRP2 Well Field Project by $50 million.

The Water Utility capital program is scheduled to recieve $9.88 million in ARRA funds from the US Bureau of Reclamation, $8.25 million for the Recycled Water Advance Treatment Facility and $1.63 million for the Recycled Water South County Master Plan Implementation.

The majority of capital projects included in the 5-Year CIP are related to asset management which replaces aging equipment and facilities, or infrastructure reliability, which protects the county's baseline water supply.

The District is currently engaged in several critical studies related to understanding the conditions of various existing water supply facilities and meeting future water supply needs of the county. These studies, such as San Luis Low Point Improvement Project, Dam Safety Program or South County Water Supply and Infrastructure Master Plan, will likely identify a number of new capital projects with significant capital investments. Following is a preliminary list of projects identified by these studies:

- San Luis Low Point Solution ($118M)
- Construct Diversion to Maximize Recharge Capability at Church Avenue ($4M)
- Long Term South County Recycled Water Facility Expansion Project ($9M)
- Possible new South County Recharge Ponds ($40M)
- Potential Dam Retrofit or Upgrade Projects



WATER SUPPLY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for water supply capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2009-10.

Water Supply Capital Improvements

Project Number	PROJECT NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
	STORAGE FACILITY										
91854001	Almaden Dam Outlet Works Improvements	2,103	-	-	-	772	806	840	1,164	12,442	18,127
91874003	Calero/Fellows Dike Improvement	3,894	-	387	124	6,697	545	-	-	-	11,260
91084010	Dam Instrumentation	6,585	-	903	-	-	-	-	-	6,628	13,213
91084019	Dam Safety Program Seismic Stability Evaluation	-	5,311	-	990	11,149	15,885	7,396	80,405	11,752	132,888
91954001	Pacheco Pumping Plant ASD Replacement	10,812	-	2,012	6,606	1,077	1,021	-	-	-	19,516
91214008	Pacheco Pumping Plant Regulating Tank Recoating	2,886	1,021	1,765	20	-	-	-	-	-	3,927
91214009	San Felipe Communications Cable Replacement	657	-	58	210	1,264	-	-	-	-	2,131
91214007	San Luis Reservoir Low Point Improvement - Planning	15,235	-	1,031	-	-	-	-	-	-	15,235
91124001	San Tomas Well Field	12,032	442	403	-	-	-	-	-	-	12,474
91214010s	Small Capital Improvements, San Felipe Reach 1-3	-	1,712	-	1,388	1,176	188	747	259	4,607	10,077
	TRANSMISSION FACILITY										
92404003	Alamitos Diversion Dam Improvements	2,962	-	2,111	-	-	307	-	-	-	3,269
92724001	Almaden-Calero Canal Rehabilitation	2,589	-	1,133	-	-	241	5,857	1,111	386	10,184
92C40311	Cathodic Protection of District-Owned Pipelines	-	-	-	-	375	318	2,677	-	-	3,370
92C40310	Cathodic Protection of USBR-Owned Pipelines	-	-	-	-	-	511	491	4,033	-	5,035
92484003	Coyote Diversion Dam Improvements	709	-	385	-	595	1,207	-	-	-	2,511
94344006	East Pipeline Rehabilitation	-	1,510	-	1,415	769	-	-	-	-	3,694
94C40220	IRP2 Additional Line Valves	-	-	-	-	-	-	-	762	8,337	9,099
92374005	IRP2 Backup Raw Water Control Center at Almaden	-	-	-	-	38	127	816	655	-	1,636
93504001	IRP2 Well Fields	-	-	-	79	6,341	5,760	6,008	30,321	30,646	79,155
92534003	Kirk Diversion Dam & Fish Screen Improvements	595	2,601	2,498	-	274	-	-	-	-	3,470
92564002	Main & Madrone Avenue Pipelines Restoration	1,032	3,011	2,840	1,905	892	-	-	-	-	6,840
92614004	Penitencia Fish Facilities Modifications	-	276	39	238	359	-	-	-	-	873
95144001	Pipeline Hydraulic Reliability Upgrades - Planning	-	-	-	136	148	-	-	-	-	284
92144002	Santa Clara Conduit Rehab, S Valve 1 to Coyote Pumping Plant	-	-	-	1,406	-	-	-	-	-	1,406
92764009	Small Capital Improvements, Raw Water Transmission	n/a	302	-	800	393	1,332	2,297	1,116	2,721	8,961
94764006	Small Capital Improvements, Treated Water Transmission	n/a	-	-	-	1,528	1,103	407	451	3,218	6,707
92144001	South County Pipeline Right of Way Acquisition	174	-	137	192	1,119	591	-	-	-	2,076
92764010	Stevens Creek & Vasona Raw Water Distribution	-	122	112	316	920	17,712	11,705	-	-	30,775

FY 2009-10 Funds to be reappropriated

WATER SUPPLY CAPITAL IMPROVEMENTS

Water Supply Capital Improvements ($K) (cont'd)

Project Number	PROJECT NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
	TREATMENT FACILITY										
93764003	IRP2 Seismic Study and Retrofit of WTP Ops Bldg	4,314	-	2,825	-	5,815	3,571	2,843	-	-	16,543
93C40275	PWTP Ammonia System Relocation and Upgrades	-	-	-	-	656	3,317	291	-	-	4,264
93234036	PWTP Backwash Pump Replacement	1,929	344	-	106	-	-	-	-	-	2,379
93234032	PWTP Chemical Systems Upgrade	1,353	-	764	-	-	-	1,687	238	19	3,297
93234043	PWTP Clearwell Recoating & Repair	-	-	-	1,003	3,103	23	-	-	-	4,129
93C40277	PWTP Filter Basin Covers	-	-	-	-	385	667	-	-	-	1,052
93C40278	PWTP Large Valve Automation	-	-	-	-	811	151	-	-	-	962
93234031	PWTP Maintenance Building	5,403	294	2,378	-	-	-	-	-	-	5,697
93234033	PWTP Standby Power Upgrade	3,013	-	133	-	-	-	-	-	-	3,013
93C40199	PWTP Washwater Clarification Facility	-	-	-	-	-	500	601	6,394	-	7,495
93234042	PWTP Water Pumps Modifications	170	436	292	2,139	114	541	-	-	-	3,400
93C40115	RWTP BL-1 Valve & Vault Replacement	-	-	-	-	-	-	-	262	1,344	1,606
93294029	RWTP Chemical System Upgrade	5,957	3	927	-	-	-	-	-	-	5,960
93C40280	RWTP Filter Polymer System Improvement	-	-	-	-	-	-	226	1,162	109	1,497
93294056	RWTP FRP Chemical Storage Structure & Pump Valves Upgrades	-	307	-	671	3,867	340	-	-	-	5,185
93294050	RWTP FRP Clarifier Rehabilitation	6,337	-	834	-	-	-	-	-	-	6,337
93294054	RWTP FRP Primary Electrical System Improvement	923	247	327	4,258	1,360	91	-	-	-	6,879
93294051	RWTP FRP Residuals Management	1,227	1,675	1,574	251	11,023	7,686	923	-	-	22,785
93294055	RWTP FRP Site Improvement	-	214	-	787	-	-	-	-	-	1,001
93294057	RWTP Reliability Improvement	-	2,110	1,730	346	1,414	5,321	4,485	42,789	66,473	122,938
93294035	RWTP Standby Power System Upgrade	1,913	-	1,334	-	-	-	-	-	-	1,913
93294045	RWTP Valve Replacements	5,886	132	1,251	-	-	-	-	-	-	6,018
93764004	Small Capital Improvements, Water Treatment	-	2,129	-	1,508	2,418	2,720	4,054	2,536	19,910	35,275
93284030	STWTP Incompatible Materials	4,146	2,817	58	796	272	-	-	-	-	8,031
94084005	Water Protection	4,505	3,094	5,305	-	304	-	-	-	-	7,903
93084009	WTP I/O Cards & Trunk Cable Upgrades	4,331	955	1,483	-	369	68	-	-	-	5,723
	RECYCLED WATER FACILITY										
91184008	South Bay Advanced Recycled Water Treatmetn Facility	35,566	-	29,277	8,764	8,605	91	-	-	-	53,026
91094007s	Recycled Water Masterplan	7,032	-	2,800	6,898	196	-	-	-	-	14,126
91154006	Water Efficient Demonstration Garden	1,969	-	1,682	-	86	59	-	-	-	2,114
	TOTAL	158,239	31,065	70,788	43,352	76,684	72,800	54,351	173,658	168,592	778,741

The following table shows funding requirements from each funding source for water supply capital.

Water Supply - Funding Source ($K)

FUNDING SOURCES	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
Water Enterprise Fund	158,239	31,065	70,788	43,352	76,684	72,800	54,351	173,658	168,592	778,741
TOTAL	158,239	31,065	70,788	43,352	76,684	72,800	54,351	173,658	168,592	778,741

FY 2009-10 Funds to be reappropriated

Project	**Almaden Dam Outlet Works Improvements**
Program	Water Supply – Storage
Priority No.	43
Project No.	91854001
District Contact	Michael Hamer mhamer@valleywater.org



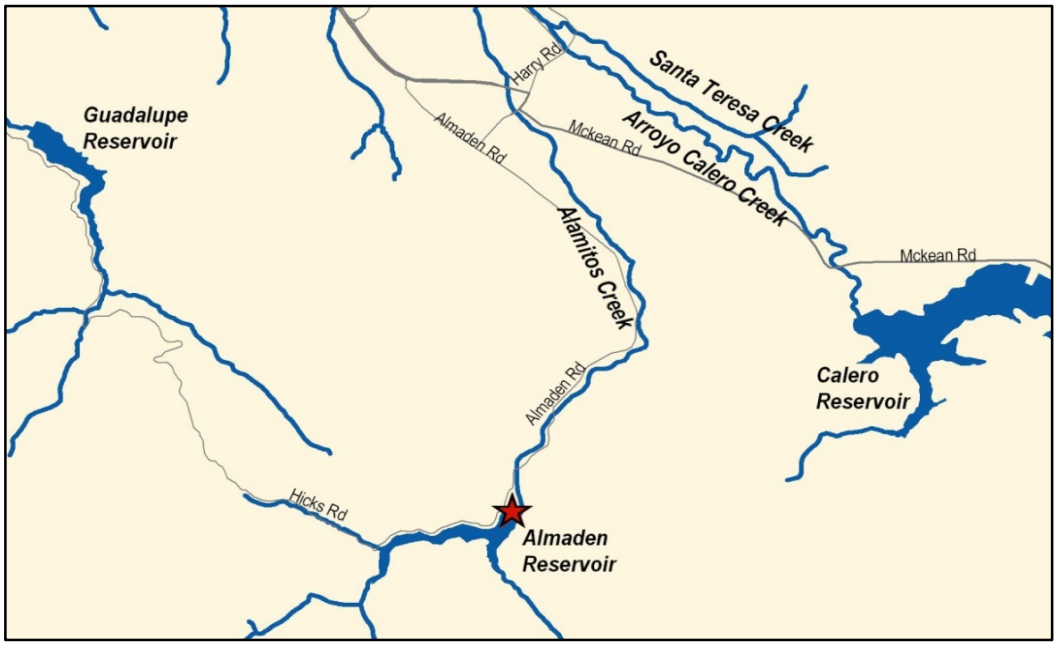
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Almaden Dam Outlet Works to accomplish the following objectives:

- Modify or construct a new intake structure, capable of releasing 246 cfs of water without flushing of sediments through the outlet works.
- Correct existing problems with the outlet energy dissipation structure, piping and valves.

PROJECT LOCATION

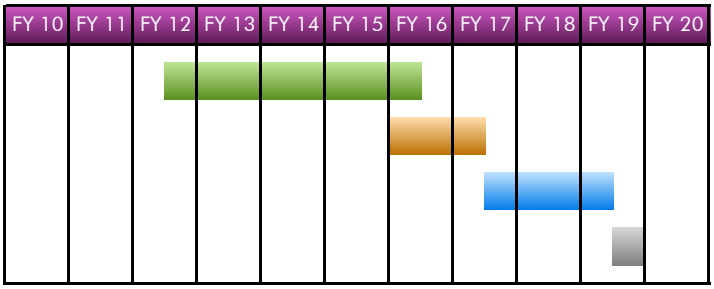


SCHEDULE & STATUS

October 1999 to June 2019

This project is on hold and scheduled to resume work in 2012, when the seismic analysis of the dam is expected to be complete.

Phase	Cost
Plan	5,166
Design	2,010
Construct	7,000
Closeout	300
	14,476



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Almaden Dam Outlet Works Improvements	2,103	0	0	710	710	710	943	9,300	14,476
with inflation	2,103	0	0	772	806	840	1,164	12,442	18,127

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Almaden Dam Outlet Works Improvements	2,103	0	0	0	772	806	840	1,164	12,442	18,127

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	18,127
Other Funding Source	0
Total	18,127

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $2,000 per year, beginning in FY 2019. Manually flushing the control valves during the winter months to remove silt will no longer be required.

USEFUL LIFE: 50+ Years

Project	**Calero/Fellows Dike Improvements**
Program	Water Supply – Storage
Priority No.	32
Project No.	91874003
District Contact	Dave Chesterman dchesterman@valleywater.org



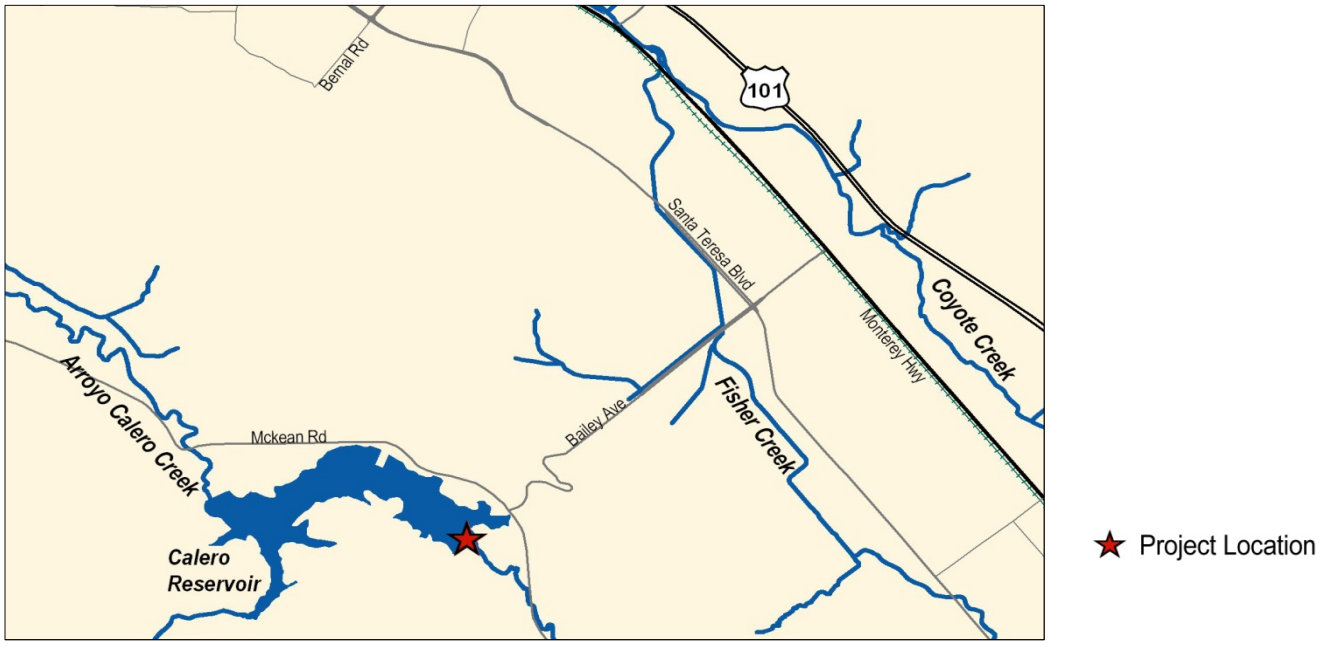
View of Fellows Dike from Calero Reservoir. The historic Bailey-Fellows House can be seen in the background.

PROJECT DESCRIPTION

The objective of the Calero/Fellows Dike Improvements project is to:

- Develop and implement a solution to resolve Fellows Dike safety issues.
- Optimize the water utility benefits of Calero Reservoir.
- Rescind the existing California Department of Water Resources Division of Safety of Dams (DSOD) restriction, which limits the storage capacity of the Calero Reservoir.

PROJECT LOCATION

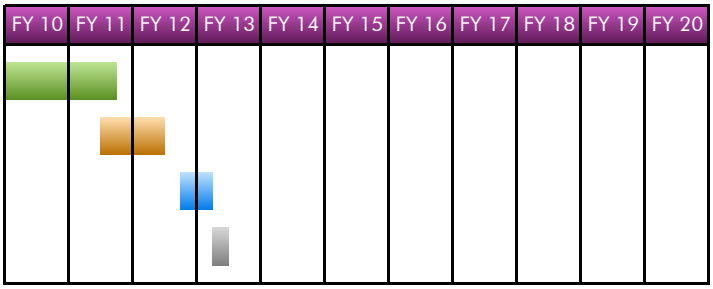


SCHEDULE & STATUS

February 2000 to December 2012

The construction phase is scheduled to begin later, based on a summer construction season.

Phase	Cost
Plan	2,938
Design	1,120
Construct	6,550
Closeout	80
	10,688



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Calero/Fellows Dike Improvements	2,787	720	511	6,190	480	0	0	0	10,688
with inflation	2,787	720	511	6,697	545	0	0	0	11,260

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Calero/Fellows Dike Improvements	3,894	0	387	124	6,697	545	0	0	0	11,260

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	11,260
Other Funding Source	0
Total	11,260

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $7,000 per year, beginning in FY 2013. The likely alternative will be the breached dike alternative. Minor operations and maintenance activities to oversee water quality and make minor repairs to the dike, pump and electrical systems would no longer be required.

USEFUL LIFE: 50+ Years

Project	**Dam Instrumentation**
Program	Water Supply – Storage
Priority No.	72
Project No.	91084010
District Contact	Dave Chesterman dchesterman@valleywater.org



Piezometers similar to those being installed here at Lenihan Dam will be installed at the other dams.

PROJECT DESCRIPTION

This project installs state-of-practice automated geotechnical instrumentation at Almaden, Anderson, Calero, Chesbro, Coyote, Guadalupe, Rinconada Treated Water Reservoir, Stevens Creek, Uvas and Vasona Dams in a phased approach, to accomplish the following objectives:

- Monitor internal movement and water pressure at the ten District dams referenced above.
- Develop a system at each dam that is capable of collecting, checking, recording, and archiving the collected data and alarming staff when parameters exceed set threshold limits.

This Dam Instrumentation Project is a major element of the Dam Safety Program at the District. The installed instrumentation will provide critical information to potentially identify needed capital improvements to ensure the structural integrity of the District's Dams. The scope, schedule, costs and funding sources for these potential capital improvements are not identified.

PROJECT LOCATION

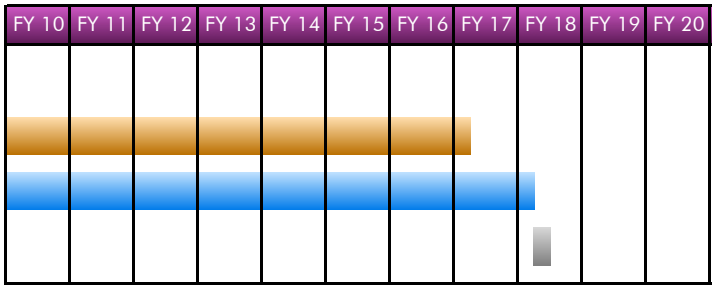


SCHEDULE & STATUS

February 2005 to December 2017

Planning Phase is complete. Design and Construction Phases overlap, due to a phased approach for managing work at 10 dams. The project is on hold. Phase 2 will resume in FY 2015.

Phase	Cost
Plan	106
Design	1,771
Construct	8,837
Closeout	888
	11,602



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Dam Instrumentation	5,682	0	0	0	0	0	530	5,390	11,602
with inflation	5,682	0	0	0	0	0	654	6,877	13,214

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Dam Instrumentation	6,585	0	903	0	0	0	0	0	6,629	13,214

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,214
Other Funding Source	0
Total	13,214

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $30,000 per year at the end of Phase 1 in FY 2009, increasing to $50,000 per year beginning at the end of Phase 2 in FY 2018. Increases are for monitoring the data and maintaining the geotechnical instrumentation.

USEFUL LIFE: 10+ Years

Project	**Dam Safety Seismic Stability**
Program	Water Supply – Storage
Priority No.	73
Project No.	91084019
District Contact	Frank Maitski fmaitski@valleywater.org



Field exploration for seismic stability evaluations

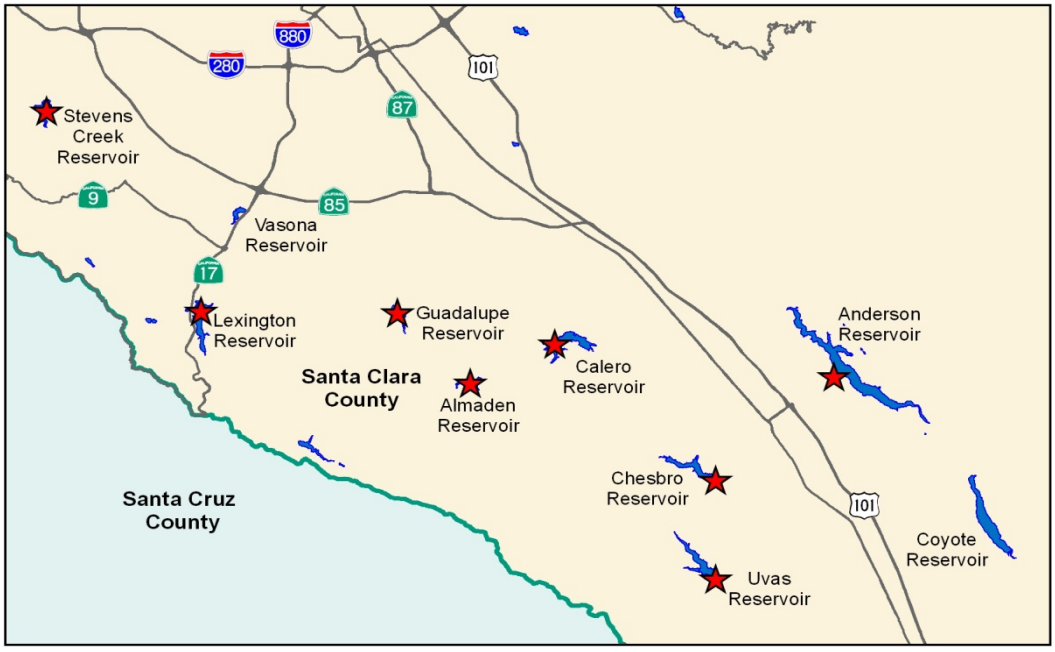
PROJECT DESCRIPTION

This project conducts Phase 1 planning (seismic stability evaluation), Phase 2 site specific planning, design, and construction of dam seismic stability improvements at up to eight District dams (identified on the map) to accomplish the following objectives:

- Address seismic stability issues.
- Provide for public safety, ensure operational availability of reservoirs, and address protection of these assets.

This project is currently funded for completion of Phase 1 planning (seismic stability evaluation, to determine the need for seismic stability improvements) for 7 dams and Phase 2 site specific planning, design, and construction of 1 dam. Phase 1 (seismic stability evaluation) for Anderson Dam is funded under 91081007 Dam Safety Program under the Operating budget. The scope, schedule, costs, and funding sources for the remaining dams will be determined, upon completion of the seismic stability evaluation.

PROJECT LOCATION

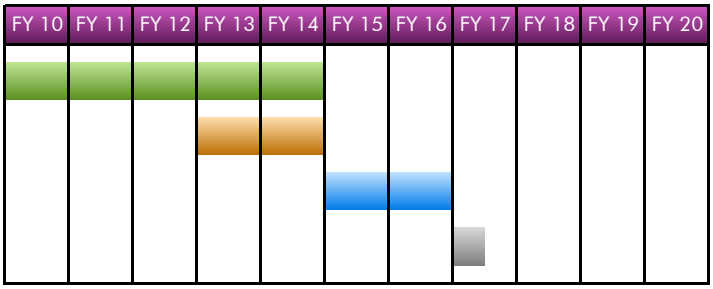


SCHEDULE & STATUS

July 2009 to December 2016

Planning phase includes seismic stability evaluation for 7 dams (w/o Anderson). Site specific planning, design, construction, and closeout for only 1 of the 8 dams (w/Anderson) is included. Some planning activities were previously funded in operations.

Phase	Cost
Plan	24,800
Design	12,000
Construct	72,000
Closeout	3,000
	111,800



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Dam Safety Seismic Stability	0	5,311	990	10,249	14,000	6,250	66,000	9,000	111,800
with inflation	0	5,311	990	11,149	15,885	7,396	80,405	11,752	132,889

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Dam Safety Seismic Stability	0	5,311	0	990	11,149	15,885	7,396	80,405	11,752	132,889

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	132,889
Other Funding Source	0
Total	132,889

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 50+ Years

Project	**Pacheco Pumping Plant ASD Replacement**
Program	Water Supply – Storage
Priority No.	68
Project No.	91954001
District Contact	Dave Chesterman dchesterman@valleywater.org



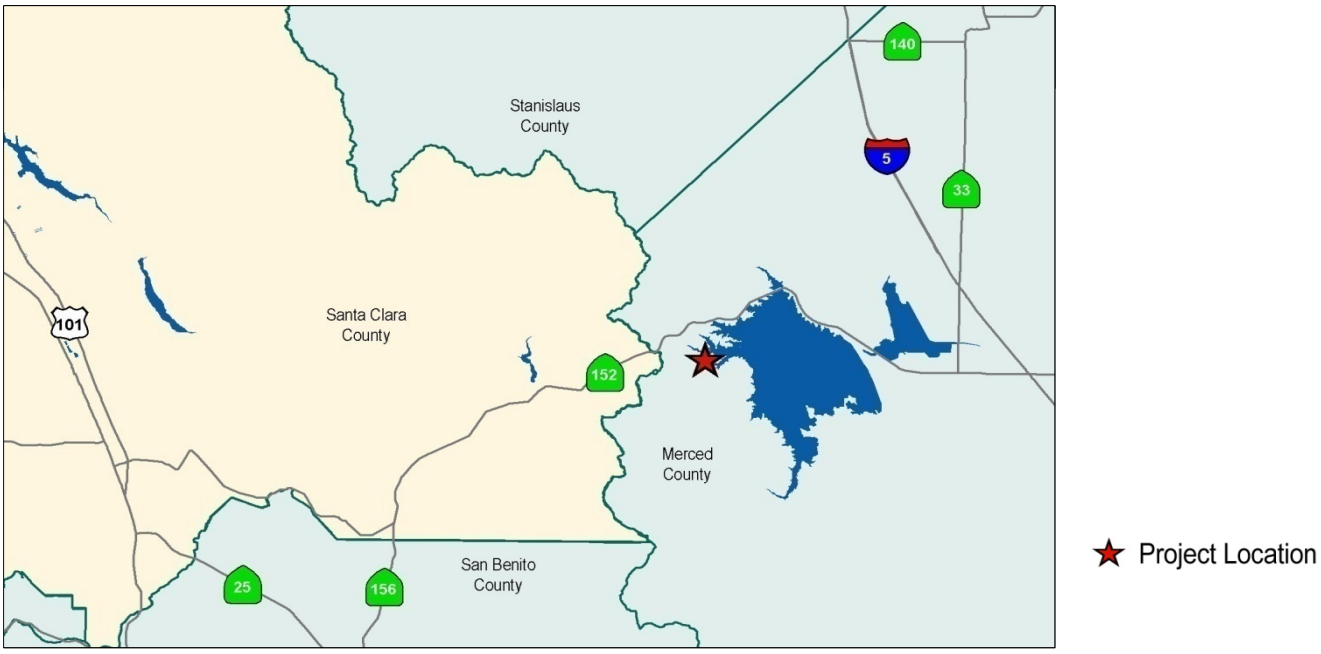
ASD drive gallery

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace the existing adjustable speed drives (ASDs) and ancillary equipment at Pacheco Pumping Plant to accomplish the following objectives:

- Improve plant operation and reliability.
- Reduce operation and maintenance costs.

PROJECT LOCATION

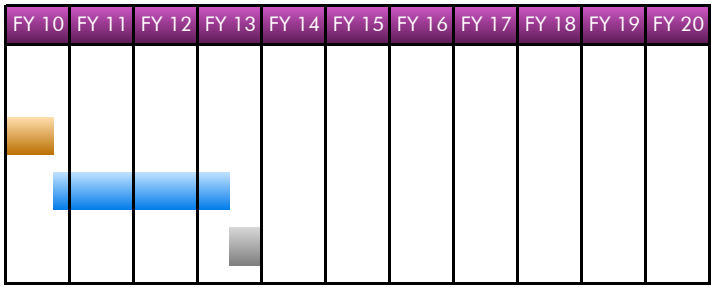


SCHEDULE & STATUS

July 2003 to June 2013

Planning phase is complete.

Phase	Cost
Plan	627
Design	1,633
Construct	16,948
Closeout	100
	19,308



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Pacheco Pumping Plant ASD Replacement	1,835	6,965	8,618	990	900	0	0	0	19,308
with inflation	1,835	6,965	8,618	1,077	1,021	0	0	0	19,516

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Pacheco Pumping Plant ASD Replacement	10,812	0	2,012	6,606	1,077	1,021	0	0	0	19,516

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	19,516
San Benito County Water District	0
Total	19,516

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $13,000 beginning in FY 2013 over the first 5 years, as new equipment will require less maintenance.

USEFUL LIFE: 10 – 15 Years

Project	**Pacheco Pumping Plant Regulating Tank Recoating**
Program	Water Supply – Storage
Priority No.	72
Project No.	91214008
District Contact	Dave Chesterman dchesterman@valleywater.org

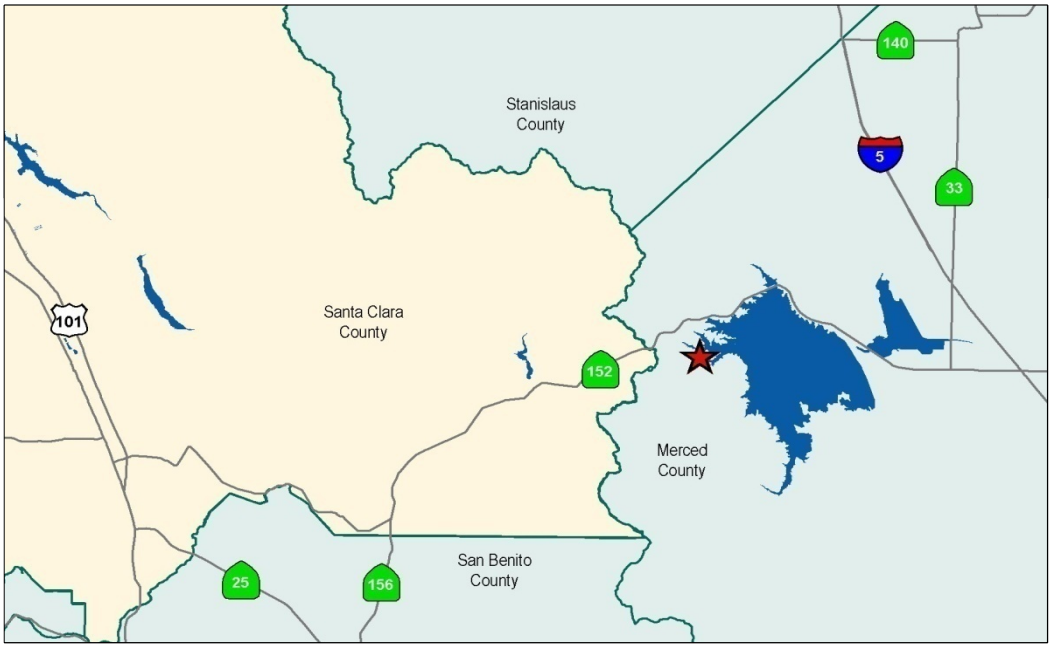


View of the regulating tank and surrounding area

PROJECT DESCRIPTION

This project plans, designs and constructs improvements at Pacheco Pumping Plant regulating tank to extend the service life of the tank by at least 15 to 20 years.

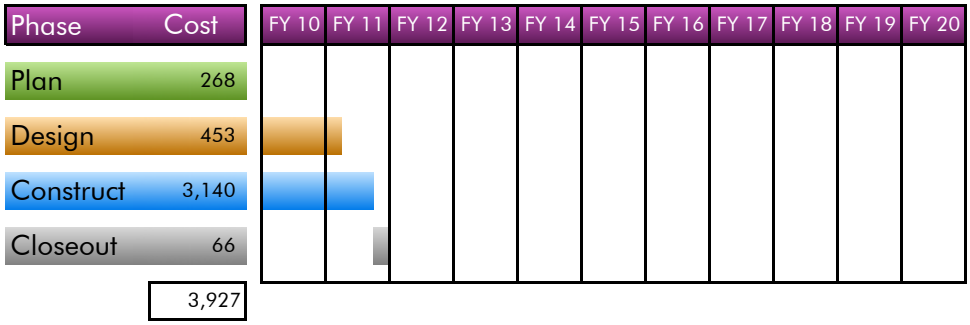
PROJECT LOCATION



SCHEDULE & STATUS

January 2008 to June 2011

Planning Phase is complete. Design and Construction Phases overlap, due to the phased approach of managing the project.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Pacheco Pumping Plant Regulating Tank Recoating	2,042	100	1,785	0	0	0	0	0	3,927
with inflation	2,042	100	1,785	0	0	0	0	0	3,927

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Pacheco Pumping Plant Regulating Tank Recoating	2,886	1,021	1,765	20	0	0	0	0	0	3,927

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,062
San Benito County Water District	865
Total	3,927

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 30+ Years

Project	**San Felipe Communications Cable Replacement**
Program	Water Supply – Storage
Priority No.	69
Project No.	91214009
District Contact	Dave Chesterman dchesterman@valleywater.org

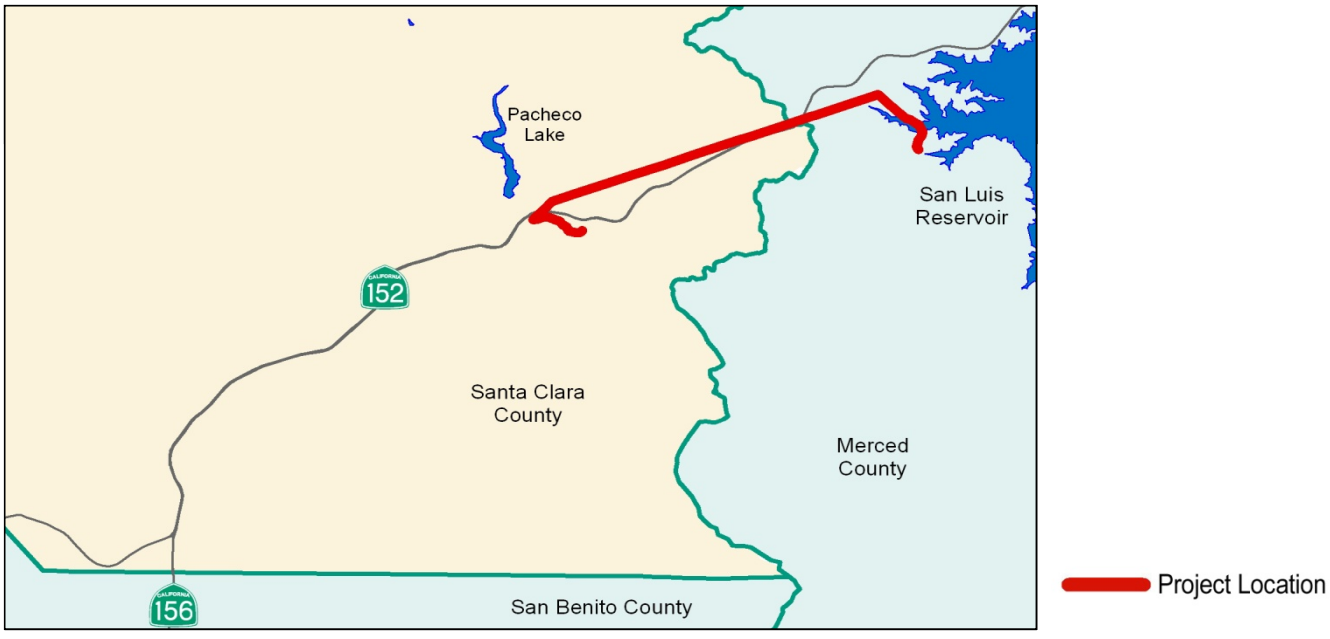


Overhead fiber optic cable lines near San Luis Reservoir

PROJECT DESCRIPTION

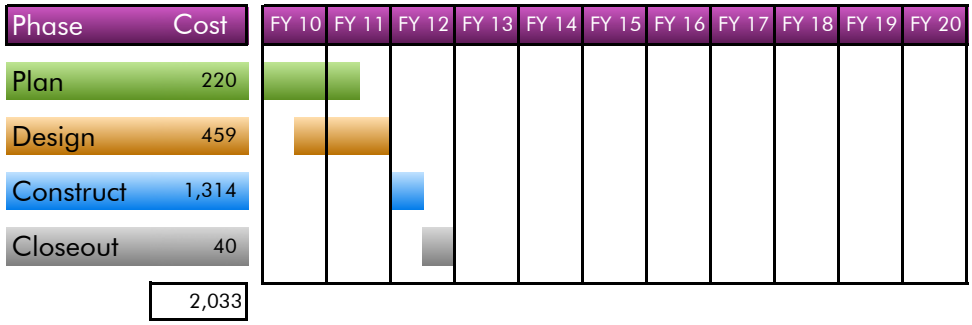
This project plans, designs, and constructs approximately 8 miles of overland fiber optic cable from the Pacheco Pumping Plant at San Luis Reservoir to the west portal of the Pacheco Tunnel, to ensure reliable communications and allow control of Pacheco Pumping Plant from the control center at Rinconada Water Treatment Plant (RWTP).

PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to June 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
San Felipe Communications Cable Replacement	143	456	268	1,166	0	0	0	0	2,033
with inflation	143	456	268	1,264	0	0	0	0	2,131

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
San Felipe Communications Cable Replacement	657	0	58	210	1,264	0	0	0	0	2,131

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,663
San Benito County Water District	468
Total	2,131

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $30,000 per year, beginning in FY 2013. Completion of this project will eliminate the need to repair failures in the fiber optic line.

USEFUL LIFE: 30+ Years

Project	**San Luis Reservoir Low Point Improvement**
Program	Water Supply – Storage
Priority No.	75
Project No.	91214007
District Contact	Sandy Oblonsky soblonsky@valleywater.org



San Luis Reservoir

PROJECT DESCRIPTION

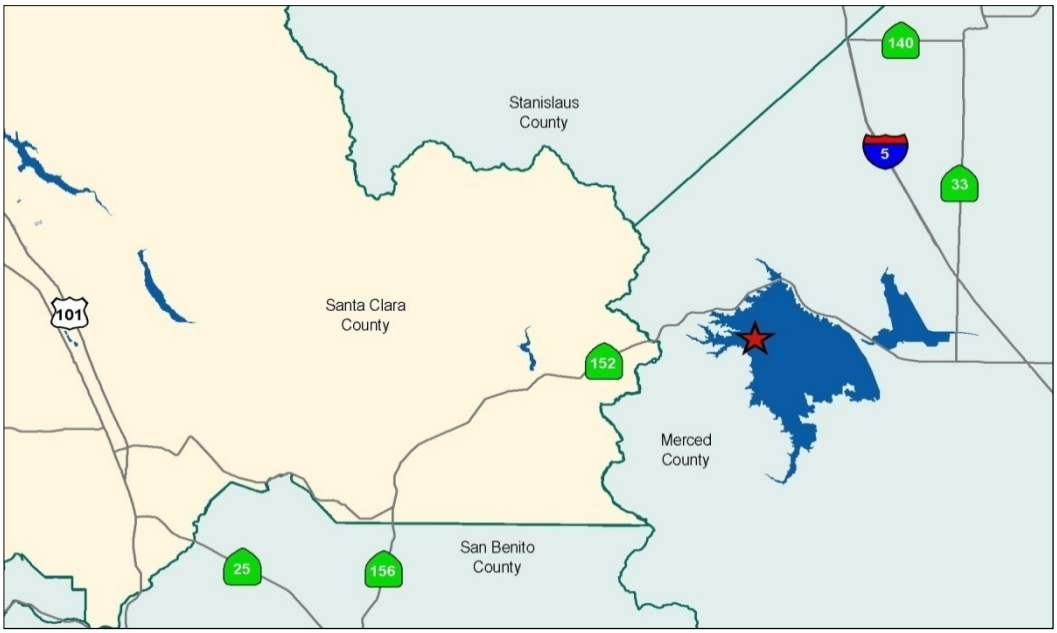
This project is in Federal Feasibility with the U.S. Bureau of Reclamation. The objectives, benefits, scope of work and schedule are determined by the federal process. These are presented in the Federal Appraisal Report and Plan of Study May 2006. The federal feasibility study is anticipated to be completed in 2010. On the basis of the water resources problems identified to date, the following study objectives were developed for this project:

- Increase the certainty of meeting the requested delivery schedule of annual allocations to San Luis Reservoir dependant Central Valley Project (CVP) Contractors.
- To the extent possible, while meeting the first objective, increase the reliability (quality of water available for allocation) of annual allocations to CVP contractors.
- To the extent possible, while meeting the first objective, forecast the final allocation to San Luis Reservoir dependent contractors earlier in the season.

Several additional opportunities may also be available as a result of addressing the above objectives. These include water quality improvements for the San Felipe Division contractors and ecosystem restoration opportunities.

The project is currently funded for federal planning only. The scope, schedule, costs and funding sources for design and construction will be determined at the completion of the planning phase.

PROJECT LOCATION

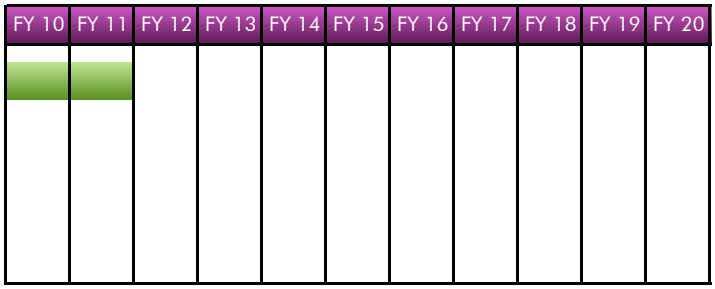


SCHEDULE & STATUS

July 2001 to June 2011

(Planning Phase Only)

Phase	Cost
Plan	15,141
Design	-
Construct	-
Closeout	-
	15,141



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
San Luis Reservoir Low Point Improvement	11,349	2,855	937	0	0	0	0	0	15,141
with inflation	11,349	2,855	937	0	0	0	0	0	15,141

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
San Luis Reservoir Low Point Improvement	15,235	0	1,031	0	0	0	0	0	0	15,235

Project funding exceeds expenditures by approximately $94,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,081
Department of Water Resources	13,108
U.S. Bureau of Reclamation	46
Total	**15,235**

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**San Tomas Well Field**
Program	Water Supply – Storage
Priority No.	34
Project No.	91124001
District Contact	Keith Whitman kwhitman@valleywater.org

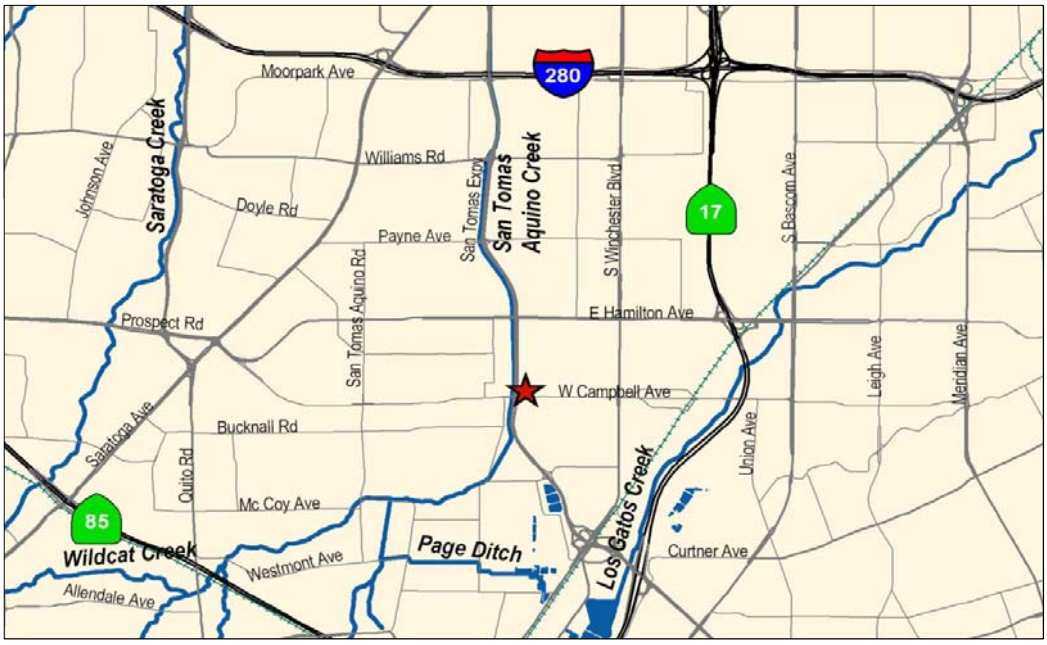


One of the newly constructed pump station buildings.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the San Tomas Well Field in the City of Campbell to enhance water supply management by preserving and improving groundwater extraction capacity.

PROJECT LOCATION

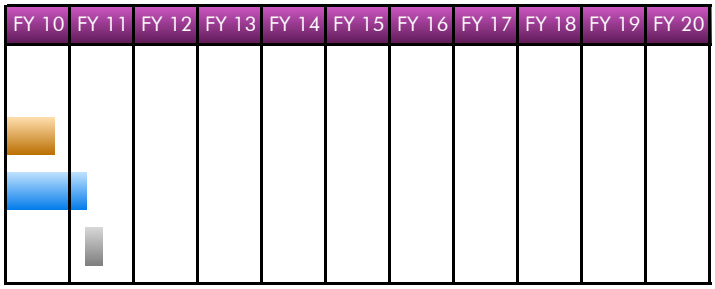


SCHEDULE & STATUS

September 2003 to December 2010

Planning phase is complete. Design and construction phases overlap due to separate contracts for pump station buildings and utilities.

Phase	Cost
Plan	170
Design	6,141
Construct	6,110
Closeout	10
	12,431



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
San Tomas Well Field	11,279	792	360	0	0	0	0	0	12,431
with inflation	11,279	792	360	0	0	0	0	0	12,431

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
San Tomas Well Field	12,032	442	403	0	0	0	0	0	0	12,474

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding for this project exceeds planned expenditures by approximately $43,000.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,974
City of Campbell Redevelopment Agency	4,500
Total	12,474

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $255,000 per year, beginning in FY 2011. Increases for operating this new facility include labor, power, chemicals, and maintenance.

USEFUL LIFE: 15+ Years

Project	**Small Capital Improvements, San Felipe**
Program	Water Supply – Storage
Priority No.	55
Project No.	91214010s
District Contact	Keith Whitman kwhitman@valleywater.org



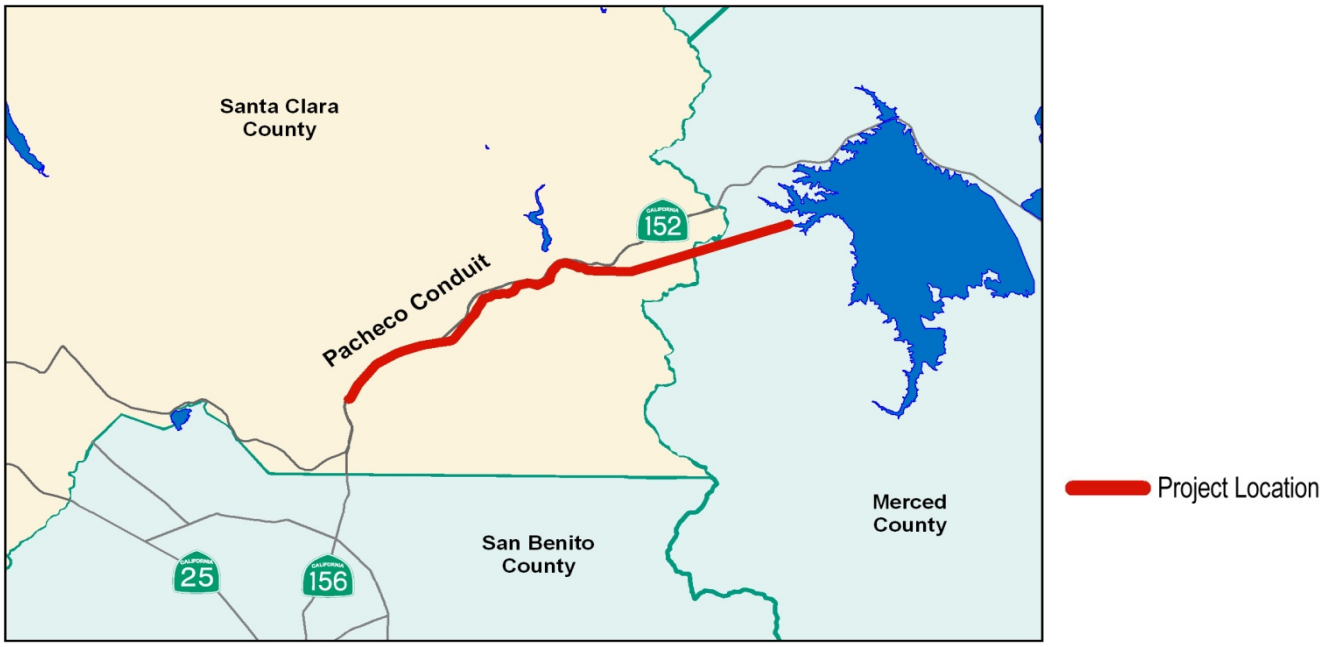
Impeller suction end showing suction wear ring bacterial corrosion. Similar rehabilitation projects will be done in this project, per the asset management plan.

PROJECT DESCRIPTION

Small capital improvement projects provide funding for small capital investments that replace or extend the lifetime of an asset. This project implements a systematic approach to equipment replacement and renewal at facilities contained within San Felipe Division by designing and constructing improvements identified through the District's 10-year asset management program. Infrastructure within this project includes tunnels, large diameter pipelines and valve structures, pumps and associated equipment, as well as a large above ground storage tank. The Reach 1 renewal and replacement activities are conducted in coordination and cooperation with San Felipe Division Reach 1 contractors, partner cities, and other agencies. Planned projects for FY 2011 include:

- 91214010–Reach 1: Rebuild Pump #9 and Replace Shafting, Pump Spare Parts, and Air Compressor
- 91214010–Reach 1: Rehabilitate Discharge Valve Unit 9
- 91224010–Reach 2: No Projects Planned
- 91234010–Reach 3: Construction of Storage Building for Parts and Materials

PROJECT LOCATION



PROJECT SCHEDULE

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Due to the nature of this project, traditional planning, design, and construction phases are not applicable.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	8,421

FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Small Capital Improvements, San Felipe	n/a	1,712	1,228	1,081	166	631	210	3,233	8,261
with inflation	n/a	1,712	1,228	1,176	188	747	259	4,608	9,918
Small Capital Improvements, San Felipe Reach 3	n/a	0	160	0	0	0	0	0	160
with inflation	n/a	0	160	0	0	0	0	0	160
TOTAL	**0**	**1,712**	**1,388**	**1,081**	**166**	**631**	**210**	**3,233**	**8,421**
with inflation	**0**	**1,712**	**1,388**	**1,176**	**188**	**747**	**259**	**4,608**	**10,078**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Small Capital Improvements, San Felipe	n/a	1,712	0	1,228	1,176	188	747	259	4,608	9,918
Small Capital Improvements, San Felipe Reach 3	n/a	0	0	160	0	0	0	0	0	160
TOTAL	**0**	**1,712**	**0**	**1,388**	**1,176**	**188**	**747**	**259**	**4,608**	**10,078**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,896
San Benito County Water District	2,182
Total	**10,078**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

Project	**Alamitos Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	96
Project No.	92404003
District Contact	Katherine Oven koven@valleywater.org



Future location of Alamitos Diversion Dam on Guadalupe River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Alamitos Diversion Dam on the Guadalupe River, about 1,300 feet upstream of Blossom Hill Road in San Jose, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Enhance recreational opportunities.
- Perform operations and maintenance in a more environmentally sensitive manner.

PROJECT LOCATION

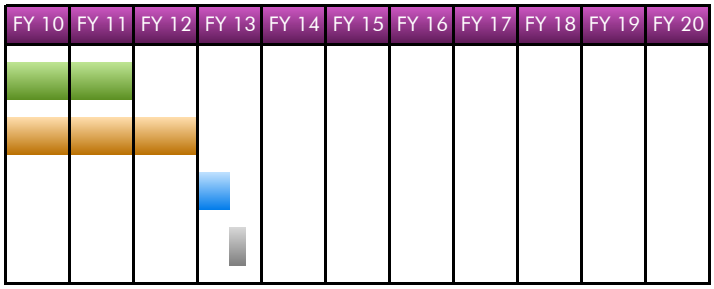


SCHEDULE & STATUS

August 2006 to March 2012

Planning and Design schedules are extended to coordinate with the Three Creeks Habitat Conservation Plan project.

Phase	Cost
Plan	930
Design	266
Construct	1,845
Closeout	15
	3,056



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Alamitos Diversion Dam Improvements	836	15	245	845	1,115	0	0	0	3,056
with inflation	836	15	245	915	1,258	0	0	0	3,269

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Alamitos Diversion Dam Improvements	2,962	0	2,111	0	0	307	0	0	0	3,269

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,269
Other Funding Source	0
Total	3,269

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**Almaden-Calero Canal Rehabilitation**
Program	Water Supply – Transmission
Priority No.	73
Project No.	92724001
District Contact	Dave Chesterman dchesterman@valleywater.org



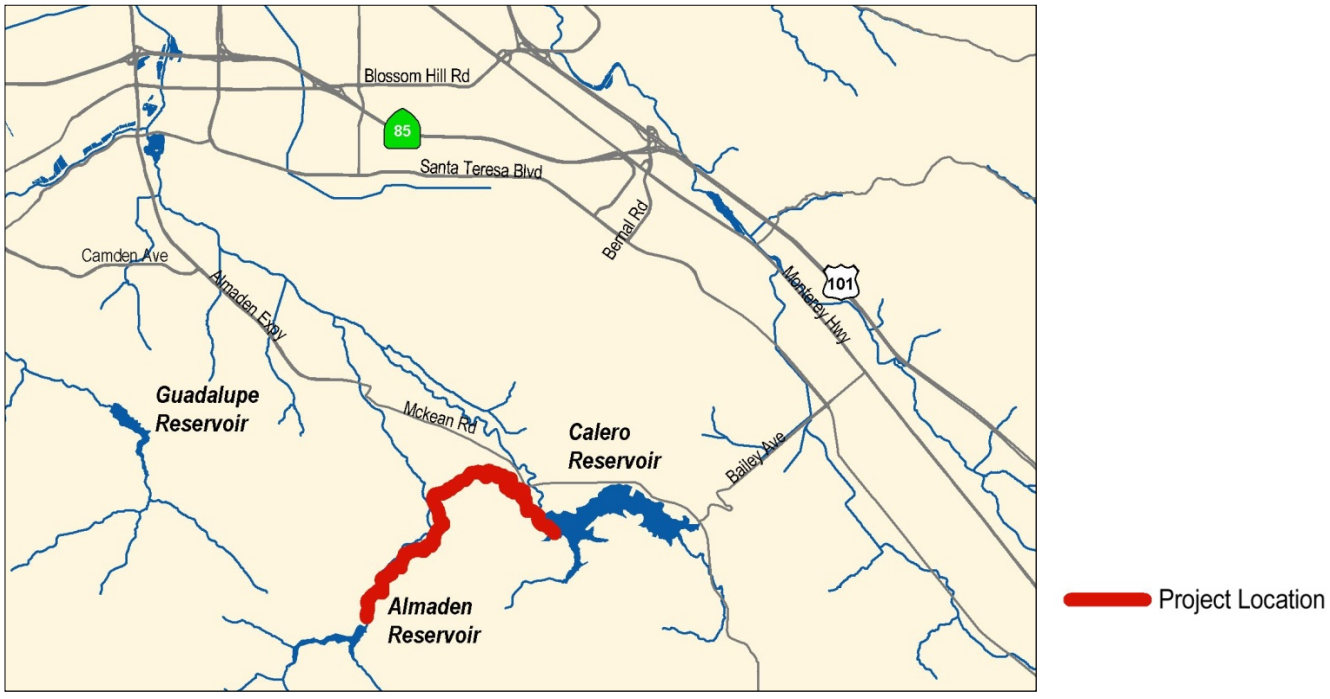
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on Almaden-Calero Canal at Calero Reservoir and between siphons #2 and #3 to accomplish the following objectives:

- Restore the Almaden-Calero Canal to its baseline capacity of 120 cfs, while maintaining adequate freeboard.
- Improve maintenance access.
- Mitigate for local landslides.
- Repair leakage and improve drainage at the flume.
- Improve drainage conditions at the catch basin, draining water upstream of siphon #2 to Alamitos Creek.
- Stabilize the maintenance road along Calero Reservoir.

PROJECT LOCATION

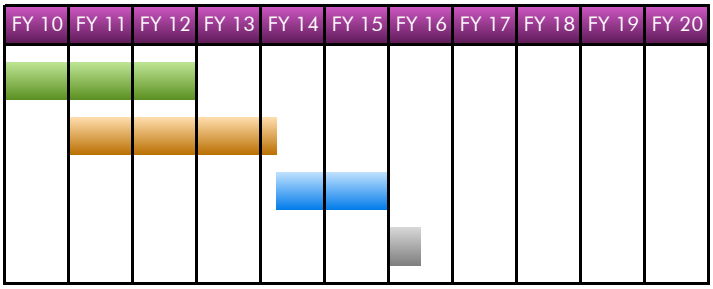


SCHEDULE & STATUS

October 2002 to November 2015

This project has been placed on hold in order to coordinate with the seismic investigation at Almaden Dam.

Phase	Cost
Plan	2,393
Design	700
Construct	5,700
Closeout	100
	8,893



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Almaden-Calero Canal Rehabilitation	1,456	0	0	637	600	5,000	900	300	8,893
with inflation	1,456	0	0	693	681	5,857	1,099	384	10,169

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Almaden-Calero Canal Rehabilitation	2,589	0	1,133	0	0	241	5,857	1,099	384	10,169

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	10,169
Other Funding Source	0
Total	10,169

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $10,000 per year, beginning in FY 2016, by minimizing seepage and associated maintenance costs.

USEFUL LIFE: 40 Years

Project	**Cathodic Protection of District-Owned Pipelines**
Program	Water Supply – Transmission
Priority No.	81
Project No.	92C40311
District Contact	Frank Maitski fmaitski@valleywater.org



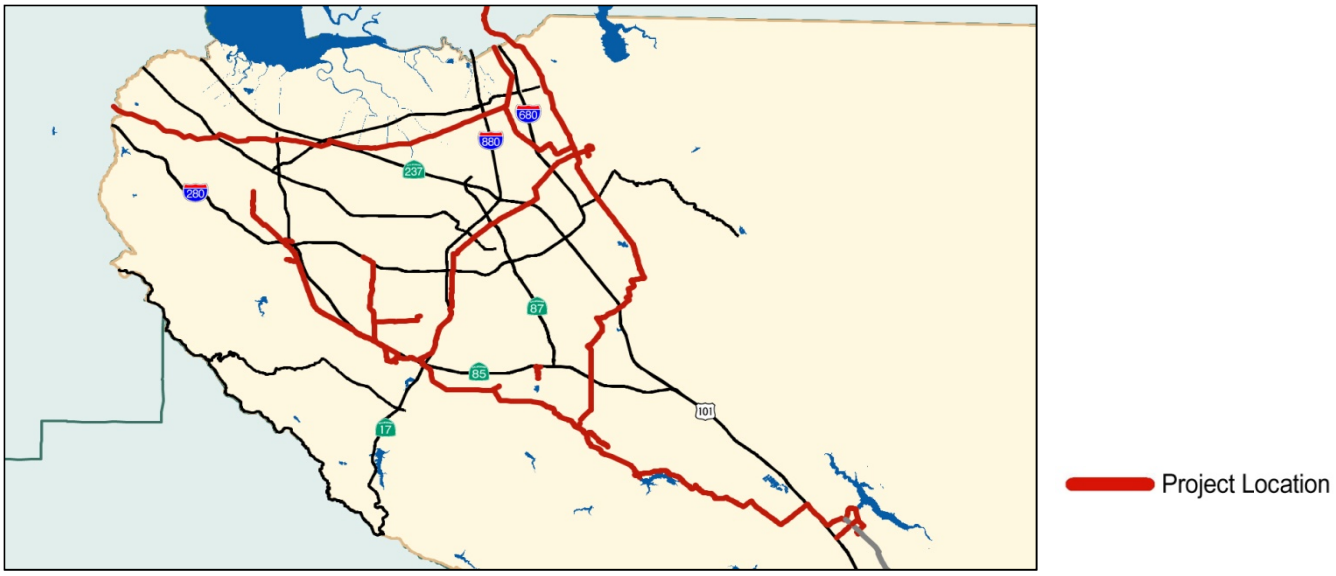
Cathodic protection rectifier and anode bed test cabinets like these will be installed on district pipelines

PROJECT DESCRIPTION

This project plans, designs, and constructs cathodic protection improvements to approximately 78 miles of District-owned pipelines and new cathodic protection features to the remaining 13 miles of District pipelines in Santa Clara County to accomplish the following objectives:

- Extend the life of
- Reduce life-cycle costs
- Reduce unplanned service interruptions

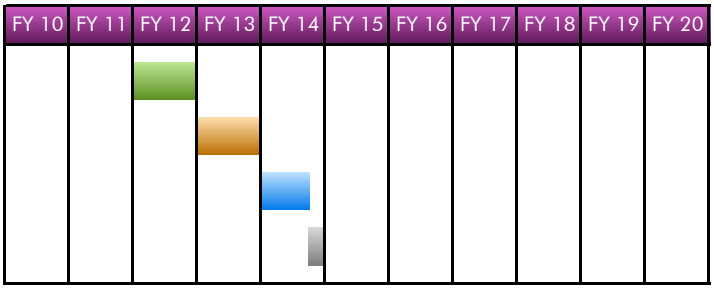
PROJECT LOCATION



SCHEDULE & STATUS

July 2012 to June 2014

Phase	Cost
Plan	345
Design	280
Construct	2,260
Closeout	25
	2,910



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Cathodic Protection of District-Owned Pipelines	0	0	0	345	280	2,285	0	0	2,910
with inflation	0	0	0	375	318	2,677	0	0	3,370

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Cathodic Protection of District-Owned Pipelines	0	0	0	0	375	318	2,677	0	0	3,370

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,370
Other Funding Source	0
Total	3,370

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be available upon completion of the planning study.

USEFUL LIFE: 25+ Years

Project	**Cathodic Protection of USBR-Owned Pipelines**
Program	Water Supply – Transmission
Priority No.	84
Project No.	92C40310
District Contact	Frank Maitski fmaitski@valleywater.org



Anode wells will be installed similar to this installation on a different pipeline.

PROJECT DESCRIPTION

This project plans, designs, and constructs new cathodic protection systems for the Santa Clara and Pacheco Conduits, which are owned by the US Bureau of Reclamation (USBR) and operated and maintained by the district through an agreement. This project will determine if the Pacheco and Santa Clara Conduits have experienced corrosion-related damage/deterioration, evaluate measures to provide adequate corrosion protection of the pipelines and, based on the outcome of the evaluation, install identified corrosion protection measure(s) as required to accomplish the following objectives:

- Extend the life of
- Reduce life-cycle costs
- Reduce unplanned service interruptions

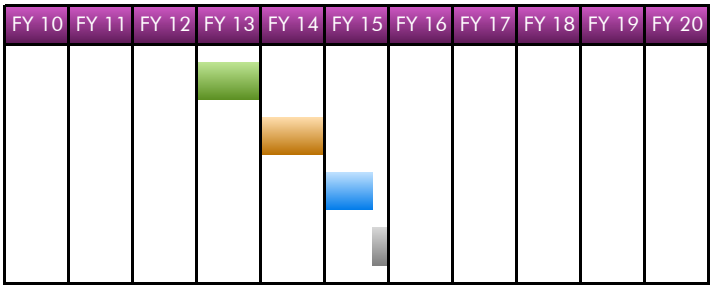
PROJECT LOCATION



SCHEDULE & STATUS

July 2012 to June 2015

Phase	Cost
Plan	450
Design	415
Construct	3,260
Closeout	50
	4,175



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Cathodic Protection of USBR-Owned Pipelines	0	0	0	0	450	415	3,310	0	4,175
with inflation	0	0	0	0	511	491	4,033	0	5,034

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Cathodic Protection of USBR-Owned Pipelines	0	0	0	0	0	511	491	4,033	0	5,034

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,034
Other Funding Source	0
Total	5,034

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be available upon completion of the planning study.

USEFUL LIFE: 25+ Years

Project	**Coyote Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	96
Project No.	92484003
District Contact	Katherine Oven koven@valleywater.org



Steel Percolation Dam on Coyote Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Coyote Steel Percolation Dam located on Coyote Creek, about 2,000 feet downstream of Metcalf Road, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety associated with the removal and installation of the dam.
- Streamline flood prevention and operating procedures for removal and installation of the dam.

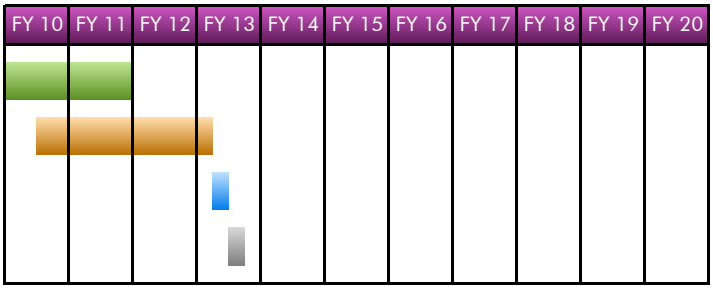
PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to January 2012

Phase	Cost
Plan	339
Design	155
Construct	1,800
Closeout	15
	2,309



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Coyote Diversion Dam Improvements	319	5	120	795	1,070	0	0	0	2,309
with inflation	319	5	120	860	1,207	0	0	0	2,511

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Coyote Diversion Dam Improvements	709	0	385	0	595	1,207	0	0	0	2,511

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,511
Other Funding Source	0
Total	2,511

OPERATING COST IMPACTS

Operating cost impacts are anticipated an will be available upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**East Pipeline Rehabilitation**
Program	Water Supply – Transmission
Priority No.	56
Project No.	94344006
District Contact	Frank Maitski fmaitski@valleywater.org



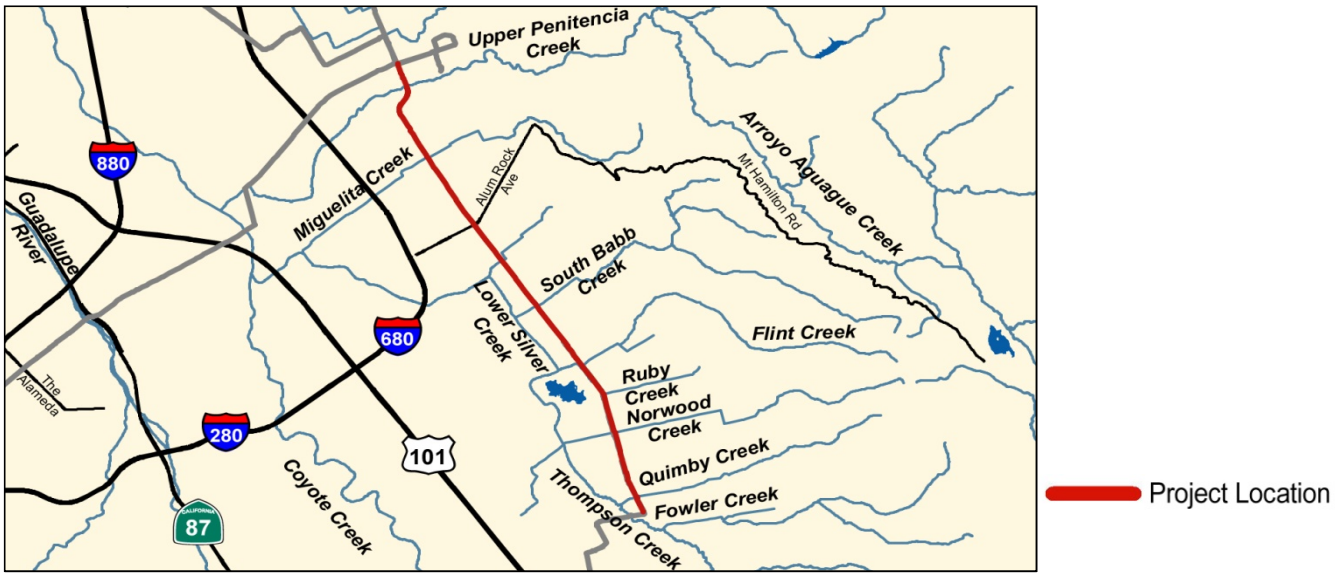
The Ocala Line Valve will be replaced.

PROJECT DESCRIPTION

This project plans, designs, and constructs major repairs and improvements on all the approximately 6.4 miles of East Pipeline from the Aborn Turnout to the Milpitas Pipeline, extending through the east side of the City of San Jose, to accomplish the following objectives:

- Improve reliability and operation of the pipeline and extend the pipeline's life.
- Reduce health and safety risks for staff and the public.
- Reduce costly emergency repairs.
- Comply with new regulations by the California Department of Public Health.

PROJECT LOCATION

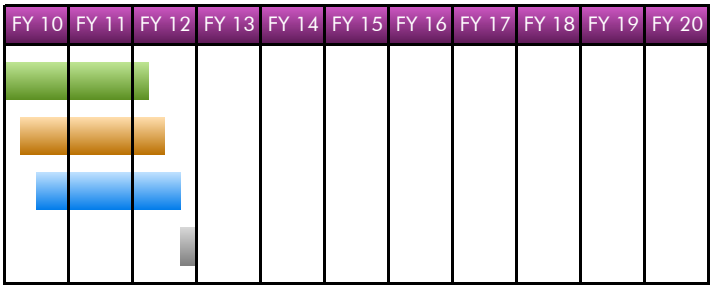


SCHEDULE & STATUS

July 2009 to June 2012

Planning, Design and Construction overlap due to a 3-phase approach to managing the project.

Phase	Cost
Plan	200
Design	714
Construct	2,691
Closeout	30.00
	3,635



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
East Pipeline Rehabilitation	0	1,510	1,415	710	0	0	0	0	3,635
with inflation	0	1,510	1,415	769	0	0	0	0	3,694

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
East Pipeline Rehabilitation	0	1,510	0	1,415	769	0	0	0	0	3,694

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,694
Other Funding Source	0
Total	3,694

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 20 Years

Project	**IRP2 Additional Line Valves**
Program	Water Supply – Transmission
Priority No.	53
Project No.	94C40220
District Contact	Sandy Oblonsky soblonsky@valleywater.org



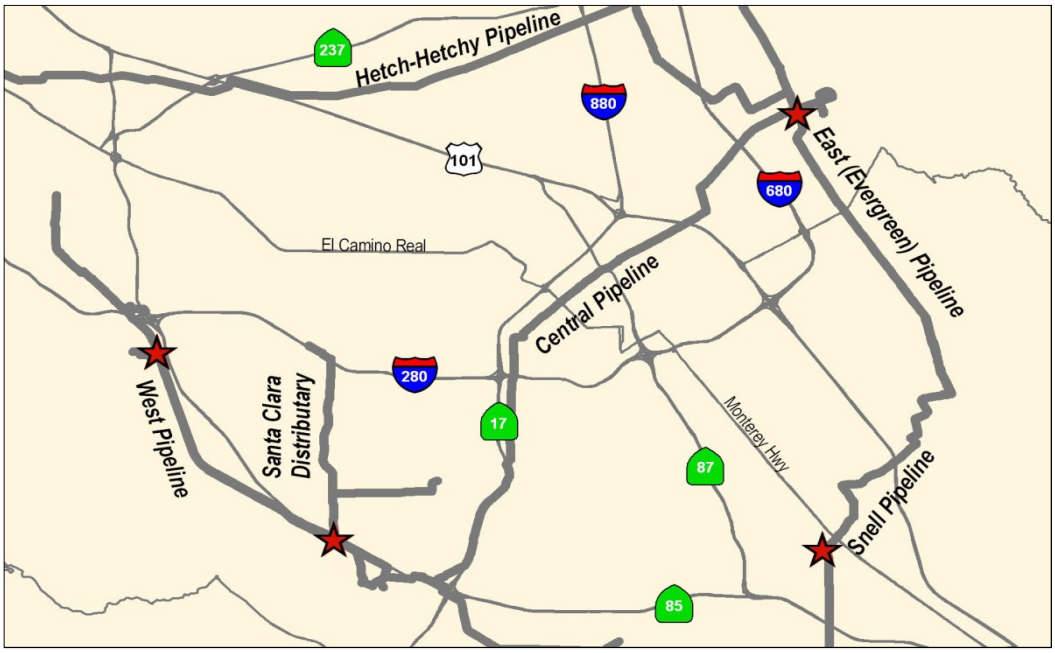
New line valves, actuators, and vaults similar to this will be installed along the East, West, and Snell pipelines

PROJECT DESCRIPTION

This project plans, designs, and constructs four additional line valves in the treated water distribution system, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2). The new line valves will be at various locations along the East, West, and Snell pipeline to accomplish the following objectives:

- Allow the district to isolate sections of the treated water pipeline to prevent water from bleeding out damaged sections following a major seismic event.
- Allow the network of emergency wells to operate, even when there is damage upstream and downstream of individual wells.

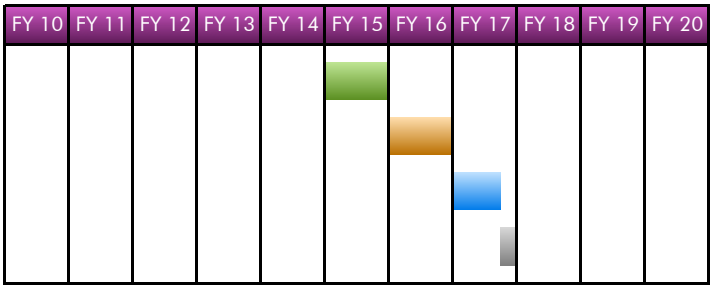
PROJECT LOCATION



SCHEDULE & STATUS

July 2014 to June 2017

Phase	Cost
Plan	617
Design	741
Construct	5,488
Closeout	100
	6,946



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
IRP2 Additional Line Valves	0	0	0	0	0	0	617	6,329	6,946
with inflation	0	0	0	0	0	0	762	8,337	9,099

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
IRP2 Additional Line Valves	0	0	0	0	0	0	0	762	8,337	9,099

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,099
Other Funding Source	0
Total	9,099

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not signifiantly alter the existing facilities or modes of operation.

USEFUL LIFE: 35 Years

Project	**IRP2 Backup Raw Water Control Center at Almaden**
Program	Water Supply – Transmission
Priority No.	42
Project No.	92374005
District Contact	Dave Chesterman dchesterman@valleywater.org

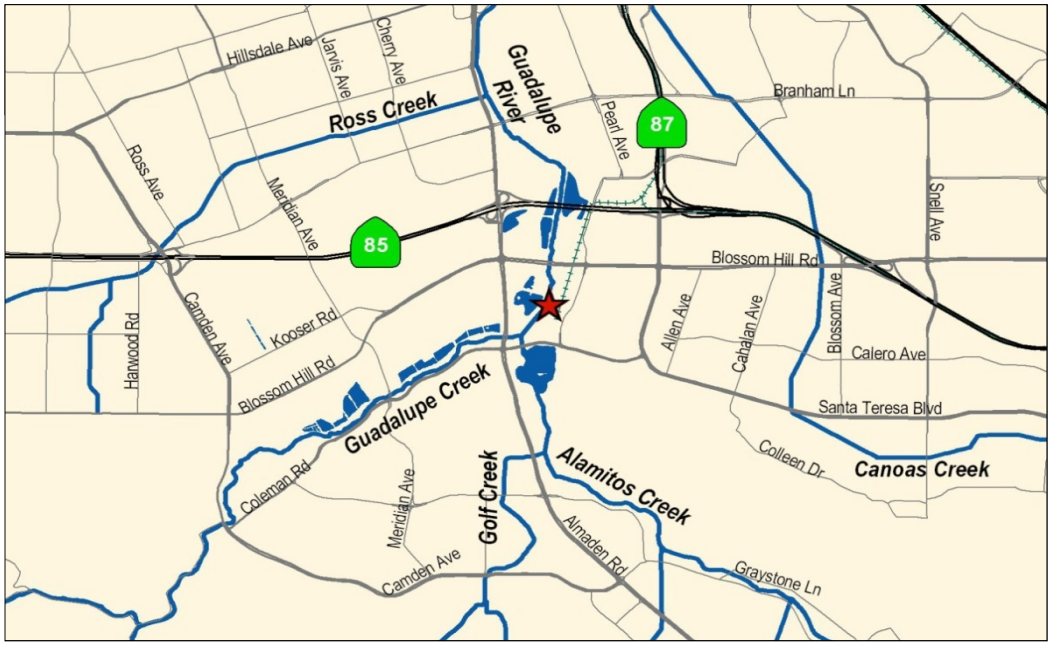


Raw water SCADA operations control room at RWTP.
A satellite control room will be constructed at Almaden.

PROJECT DESCRIPTION

This project plans, designs, and constructs a raw water Supervisory Control and Data Acquisition (SCADA) system at the Almaden Campus, supporting the main system which is remotely located at Rinconada Water Treatment Plant (RWTP), as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to provide a backup location for the raw water SCADA system.

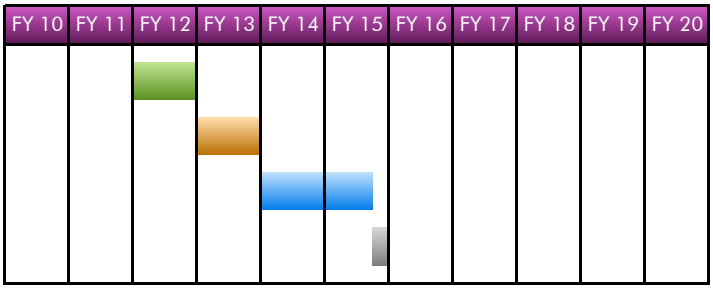
PROJECT LOCATION



SCHEDULE & STATUS

July 2011 to June 2015

Phase	Cost
Plan	35
Design	112
Construct	1,222
Closeout	11
	1,380



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
IRP2 Backup Raw Water Control Center at Almaden	0	0	0	35	112	696	537	0	1,380
with inflation	0	0	0	38	127	816	655	0	1,636

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
IRP2 Backup Raw Water Control Center at Almaden	0	0	0	0	38	127	816	655	0	1,636

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,636
Other Funding Source	0
Total	1,636

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $40,000 per year, beginning in FY 2015, to have an operator exercise the control room once or twice a month and operational support from control technicians and SCADA engineers.

USEFUL LIFE: 10 Years

Project	**Kirk Diversion Dam and Fish Screen Improvements**
Program	Water Supply – Transmission
Priority No.	82
Project No.	92534003
District Contact	Katherine Oven koven@valleywater.org



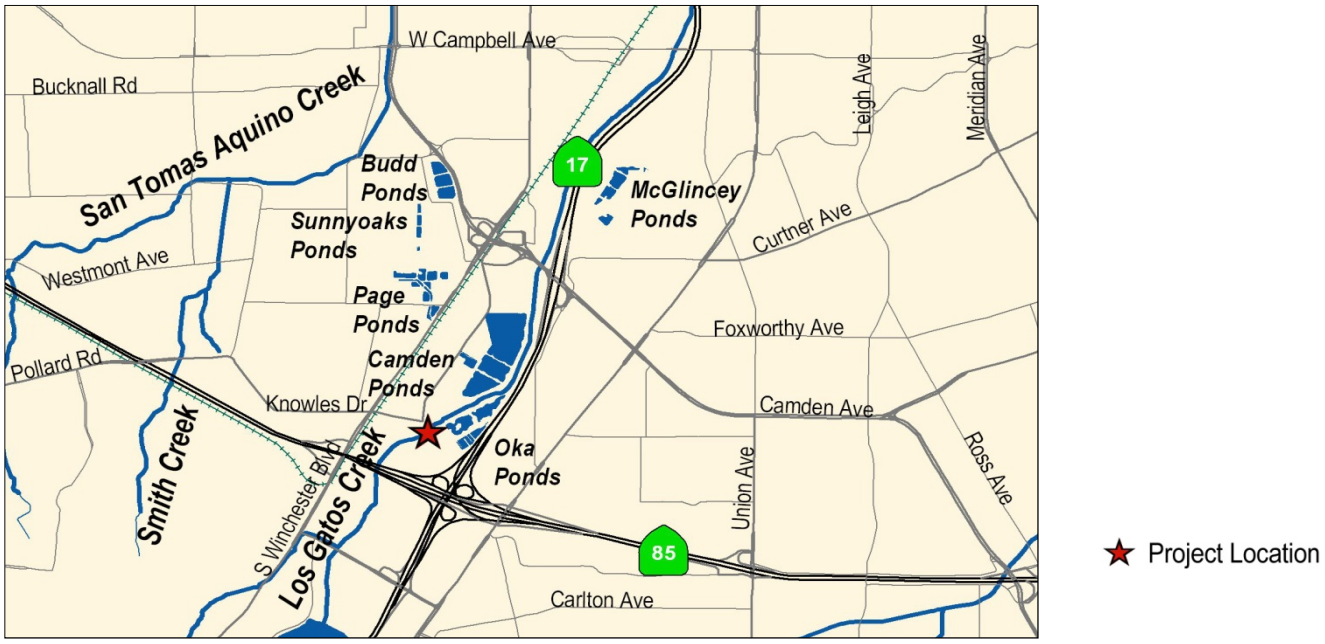
Kirk Dam on Los Gatos Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Kirk Diversion Dam on Los Gatos Creek approximately 4,000 feet downstream of Lark Avenue, adjacent to the intersection of Knowles Drive and Dell Avenue, to accomplish the

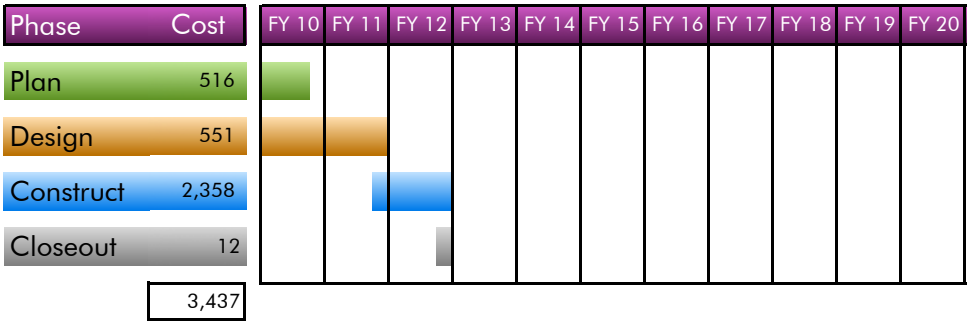
- Preserve existing water rights.
- Reduce flood risk, because the existing flashboard system cannot be removed during storm events or emergencies.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Reduce entrainment of aquatic life forms into the Kirk and Page Ditches.
- Perform operations and maintenance in a more environmentally sensitive manner.

PROJECT LOCATION



SCHEDULE & STATUS

May 2008 to June 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Kirk Diversion Dam and Fish Screen Improvements	419	279	2,363	376	0	0	0	0	3,437
with inflation	419	279	2,363	409	0	0	0	0	3,470

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Kirk Diversion Dam and Fish Screen Improvements	595	2,601	2,498	0	274	0	0	0	0	3,470

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,470
Other Funding Source	0
Total	3,470

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	**Main & Madrone Pipelines Restoration**
Program	Water Supply – Transmission
Priority No.	80
Project No.	92564002
District Contact	Dave Chesterman dchesterman@valleywater.org



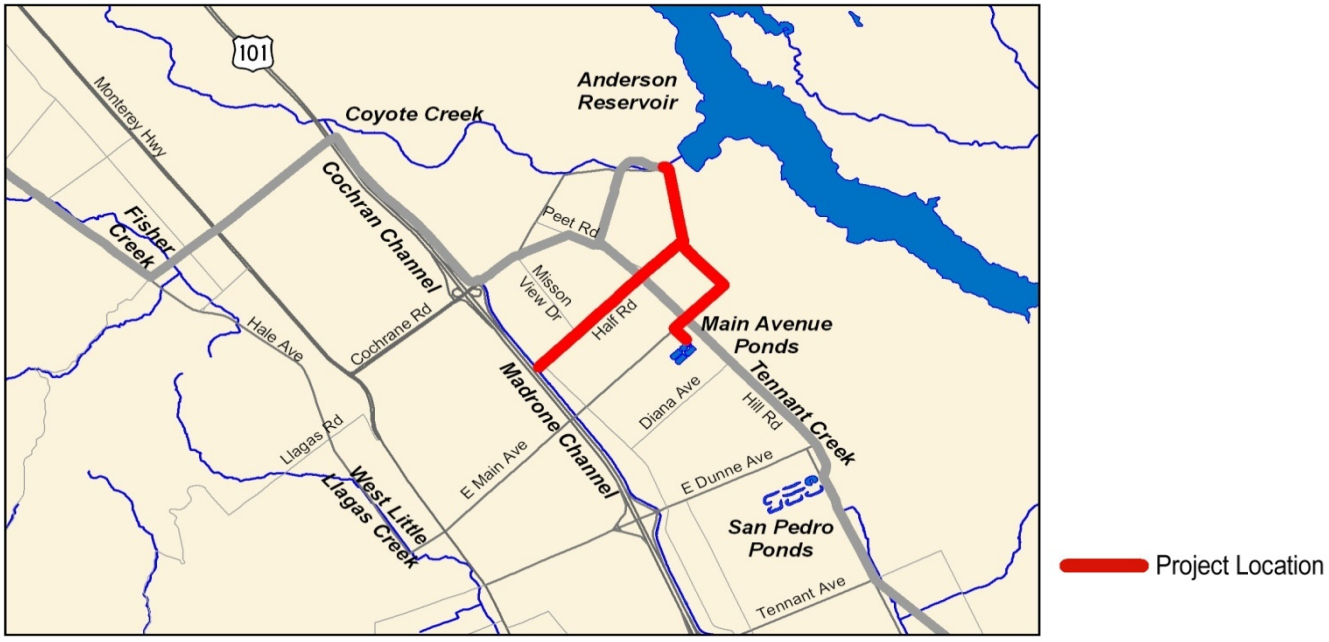
Looking west along East Main Avenue, the Main Avenue Pipeline runs under the shoulder of the road.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on the full length of the Madrone Pipeline and rehabilitates the Main Avenue Pipeline to accomplish the following objectives:

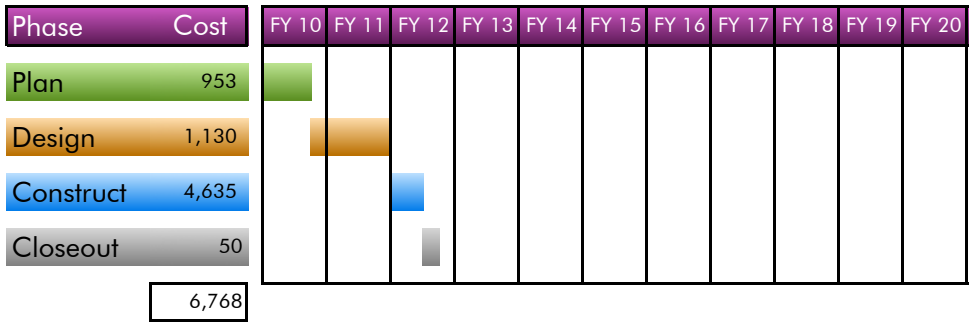
- Provide the means to utilize another reliable water source, (e.g. Anderson Reservoir) to supply water to the Main Avenue Ponds and the Madrone Channel.
- Allow for greater flows to the Main Avenue Ponds and the Madrone Channel.
- Maximize imported water flows to the treatment plants.

PROJECT LOCATION



SCHEDULE & STATUS

June 2008 to March 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Main & Madrone Pipelines Restoration	233	970	4,745	820	0	0	0	0	6,768
with inflation	233	970	4,745	892	0	0	0	0	6,840

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Main & Madrone Pipelines Restoration	1,032	3,011	2,840	1,905	892	0	0	0	0	6,840

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,840
Other Funding Source	0
Total	6,840

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as it does not significantly alter the facility or modes of operation.

USEFUL LIFE: 40 Years

Project	**Penitencia Fish Facilities Modifications**
Program	Water Supply – Transmission
Priority No.	44
Project No.	92614004
District Contact	Katherine Oven koven@valleywater.org



Noble Diversion and fish ladder on Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on Penitencia Creek at the fish facilities located near the Robert W. Gross Ponds, Noble Avenue Diversion, and Mabury Diversion to accomplish the following objectives:

- Prevent exotic species that populate the Robert W. Gross Ponds from being introduced into Penitencia Creek.
- Develop water supplies and exercise water rights on Upper Penitencia Creek at the Noble Avenue and Mabury Diversions.

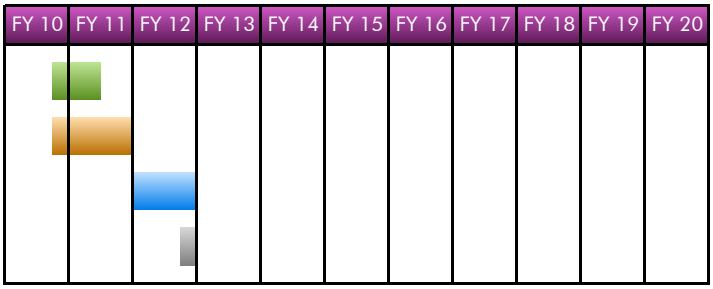
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2013

Phase	Cost
Plan	194
Design	227
Construct	424
Closeout	0
	845



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Penitencia Fish Facilities Modifications	0	237	277	331	0	0	0	0	845
with inflation	0	237	277	359	0	0	0	0	873

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Penitencia Fish Facilities Modifications	0	276	39	238	359	0	0	0	0	873

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	873
Other Funding Source	0
Total	873

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $25,000 per year, beginning in FY 2013. The possible abandonment of the Mabury diversion would put the water to a more beneficial use and save on labor to operate the diversion and existing fish screens at that location.

USEFUL LIFE: 20 Years

Project	**Pipeline Hydraulic Reliability Upgrades**
Program	Water Supply – Transmission
Priority No.	39
Project No.	95144001
District Contact	Ray Yep ryep@valleywater.org



Telemetry will be added to agricultural turnouts such as these so that flow can be monitored remotely and the hydraulic performance of the pipeline improved.

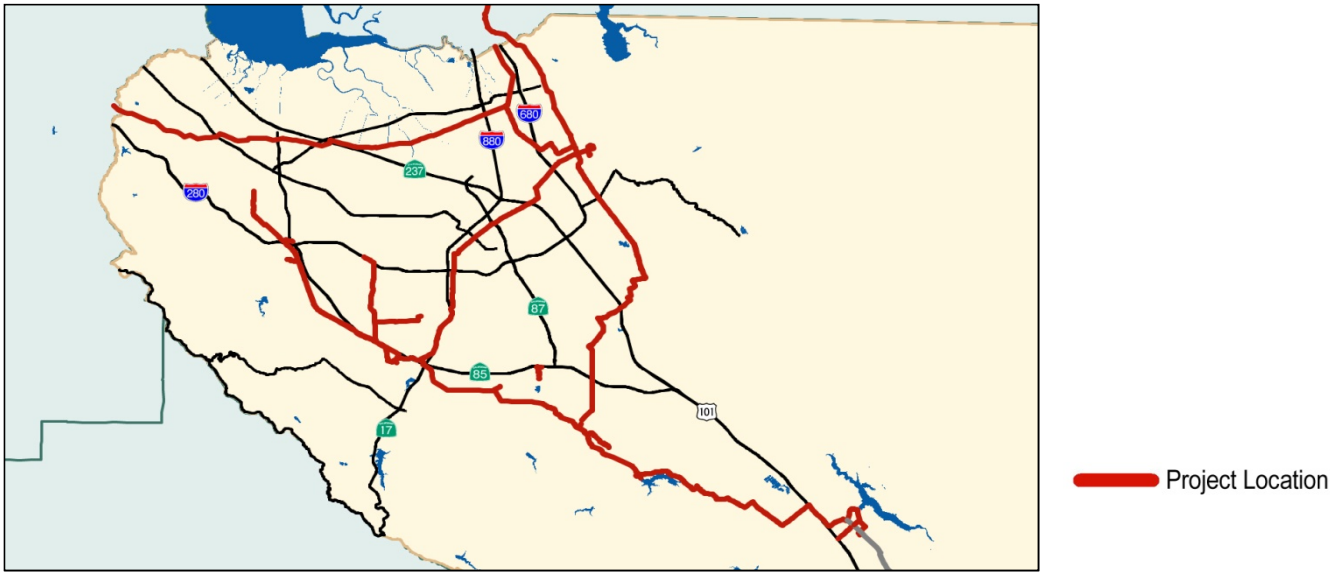
PROJECT DESCRIPTION

This project plans, designs and constructs improvements along 142 miles of treated and raw water pipelines to accomplish the following objectives:

- Ensure hydraulic reliability of the pipelines.
- Upgrade the District's hydraulic model.
- Develop a GIS coverage of pipelines and use these tools to plan improvements.

This project is currently funded for model building and the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

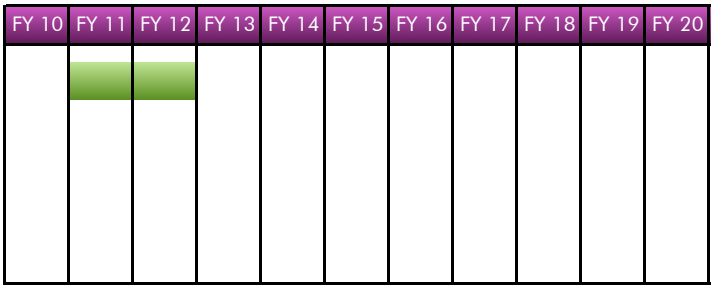


SCHEDULE & STATUS

July 2010 to June 2012

(Planning Phase Only)

Phase	Cost
Plan	272
Design	-
Construct	-
Closeout	-
	272



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Pipeline Hydraulic Reliability Upgrades	0	0	136	136	0	0	0	0	272
with inflation	0	0	136	148	0	0	0	0	284

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Pipeline Hydraulic Reliability Upgrades	0	0	0	136	148	0	0	0	0	284

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	284
Other Funding Source	0
Total	284

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**Santa Clara Conduit Rehab, SValve1 to Coyote Pumping Plant**
Program	Water Supply – Transmission
Priority No.	53
Project No.	92144002
District Contact	Dave Chesterman dchesterman@valleywater.org



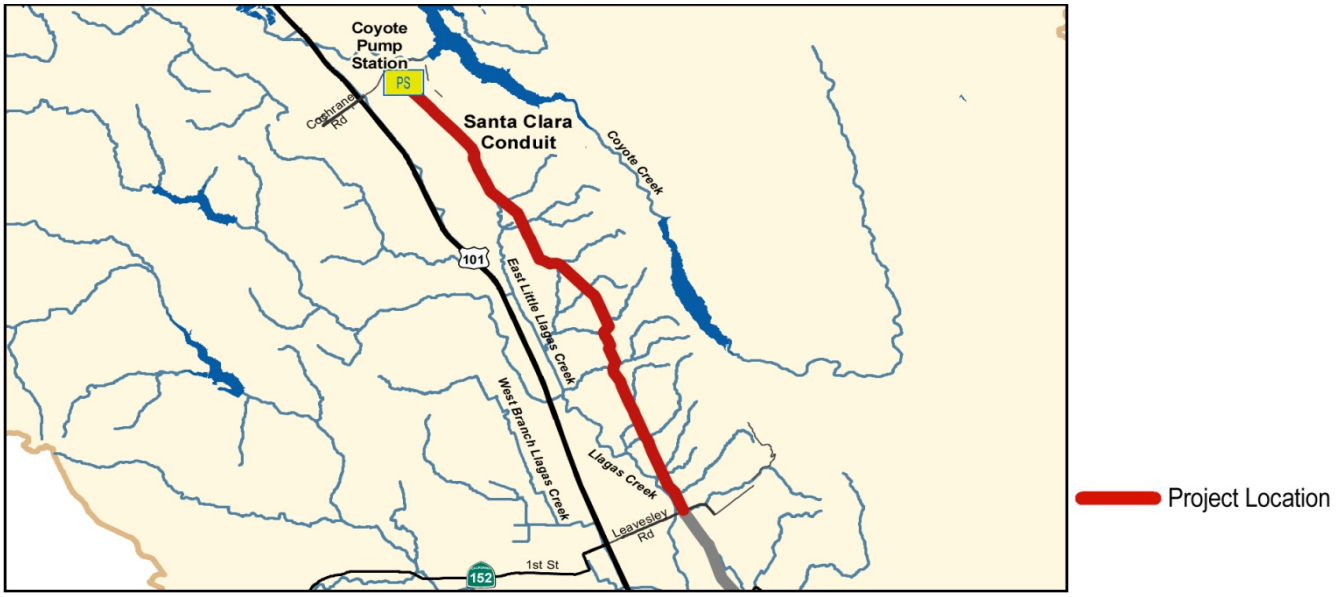
Example of raised concrete vault (blowoff) with 10-inch gate valve to be rehabilitated

PROJECT DESCRIPTION

This project plans, designs and constructs improvements on 11 miles of the Santa Clara Conduit from Sectionalizing Valve 1 to the Coyote Pumping Plant to accomplish the following objectives:

- Reduce the health and safety risks for staff and the public.
- Reduce the potential for costly emergency repairs.
- Improve the reliability, operation and useful life of the District's water conveyance infrastructure.

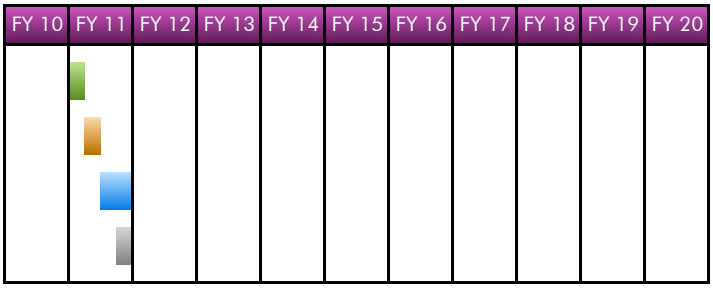
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to June 2011

Phase	Cost
Plan	100
Design	250
Construct	1,046
Closeout	10
	1,406



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Santa Clara Conduit Rehab, SValve1 to Coyote Pumping Plant	0	0	1,406	0	0	0	0	0	1,406
with inflation	0	0	1,406	0	0	0	0	0	1,406

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Santa Clara Conduit Rehab, SValve1 to Coyote Pumping Plant	0	0	0	1,406	0	0	0	0	0	1,406

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,406
Other Funding Source	0
Total	**1,406**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 25 Years

Project	**Small Capital Improvements, Raw Water Transmission**
Program	Water Supply – Transmission
Priority No.	55
Project No.	92764009
District Contact	Ray Yep ryep@valleywater.org



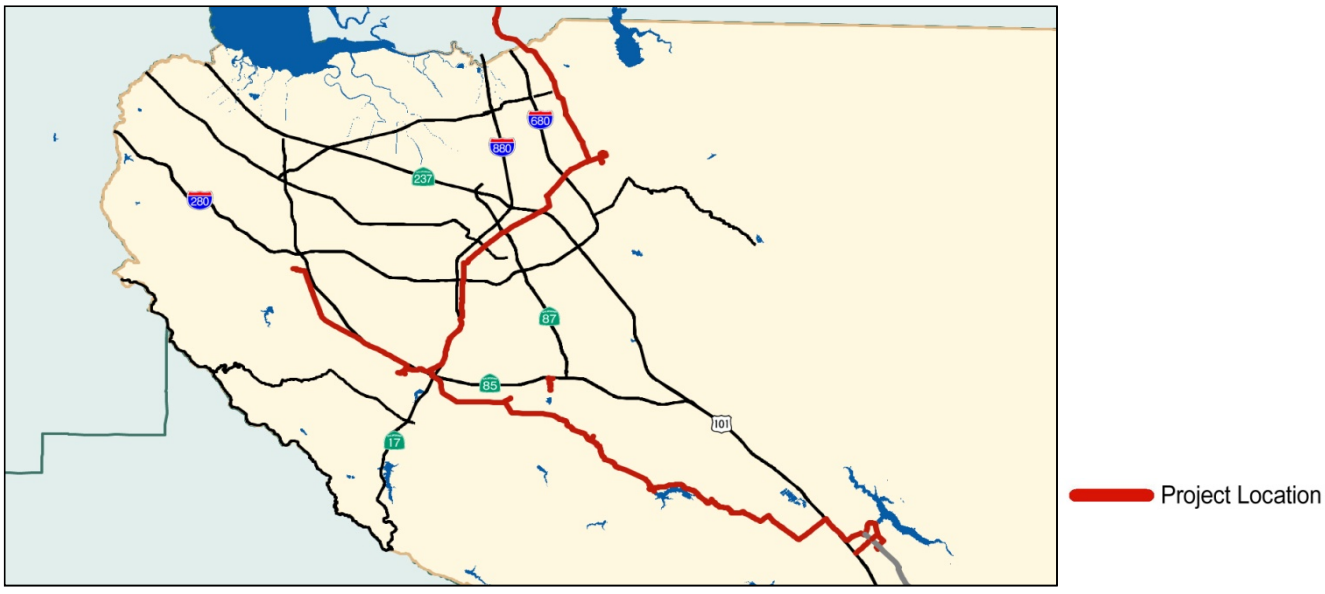
Major repair and replacement of turnout roofs and similar small raw water capital projects will be done, per the asset management plan.

PROJECT DESCRIPTION

Small capital improvement projects provide funding for small capital investments that replace or extend the lifetime of an asset. This project will repair or rehabilitate various existing raw water distribution facilities. These activities include identifying and fixing corrosion problems, replacing valves and other appurtenances and modifying water recharge facilities to avoid failure of the raw water transmission system and extend the life of the infrastructure. This project is part of the District's 10-year asset management program. Planned projects for FY 2011 include:

- Stream Gages (Coyote/Metcalf & Kirk Ditch) Improvements
- Westmont Percolation Basin Improvements
- CapitalPond Overflow/Outlet Improvements
- Pipe Segment 513+48 repair, Shannon Line Valve Repair at Calero Reservoir
- Turnout Roof Replacements
- Pavement Replacements at Vasona Pumping Plant

PROJECT LOCATION



SCHEDULE & STATUS

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Due to the nature of this project, traditional planning, design, and construction phases are not applicable.

Phase	Cost
Plan	n/a
Design	n/a
Construct	7,470
Closeout	n/a
	7,470

FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Small Capital Improvements, Raw Water Transmission	n/a	302	800	361	1,174	1,941	904	1,988	7,470
with inflation	n/a	302	800	393	1,332	2,297	1,116	2,720	8,960

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Small Capital Improvements, Raw Water Transmission	n/a	302	0	800	393	1,332	2,297	1,116	2,720	8,960

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,960
Other Funding Source	0
Total	8,960

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

Project	**Small Capital Improvements, Treated Water Transmission**
Program	Water Supply – Transmission
Priority No.	56
Project No.	94764006
District Contact	Ray Yep ryep@valleywater.org

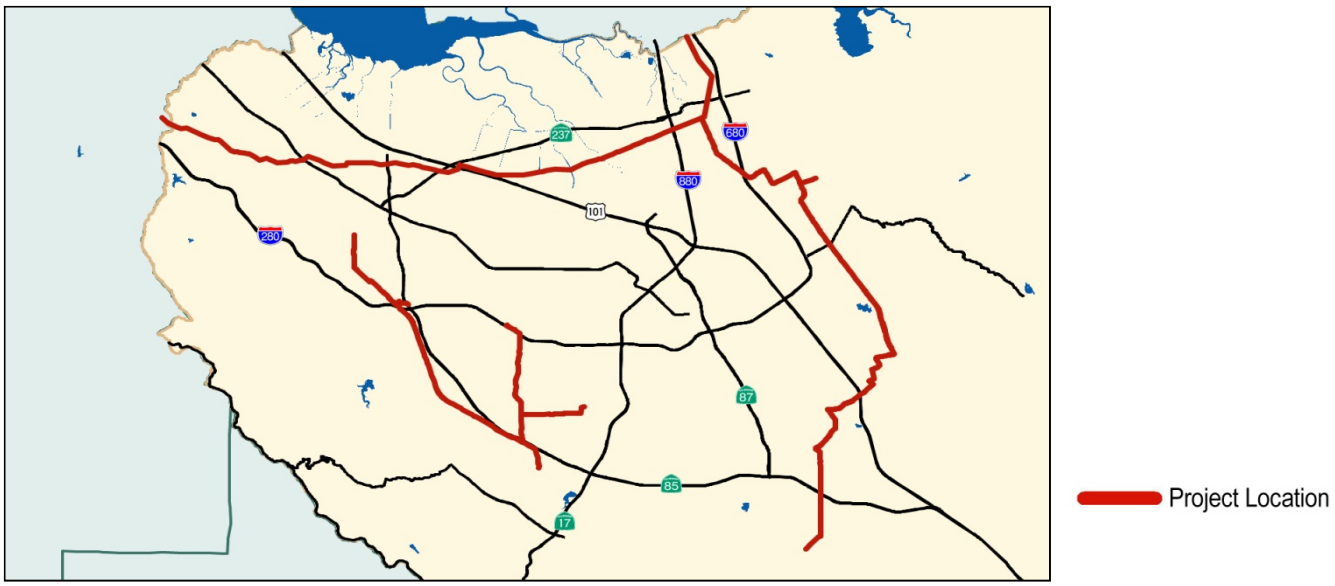


Small Capital projects at treated water transmission facilities, similar to this new valve installation in the Piedmont Line Valve Vault, will be done, per the asset management plan.

PROJECT DESCRIPTION

Small capital improvement projects provide funding for small capital investments that replace or extend the lifetime of an asset. This project will repair or rehabilitate various existing treated water distribution facilities, such as identifying and treating corrosion problems, replacing valves and other appurtenances and repairing or adding turnouts to avoid failure of the treated water transmission system and to extend the life of the infrastructure. This project is part of the District's 10-year asset management program. There are no projects planned for FY 2011.

PROJECT LOCATION



SCHEDULE & STATUS

This project is part of a regularly scheduled 10-year maintenance and asset management program.

Due to the nature of this project, traditional planning, design, and construction phases are not applicable.

Phase	Cost
Plan	n/a
Design	n/a
Construct	5,509
Closeout	n/a
	5,509

FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Small Capital Improvements, Treated Water Transmission	n/a	0	0	1,405	972	344	365	2,423	5,509
with inflation	n/a	0	0	1,528	1,103	407	451	3,219	6,708

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Small Capital Improvements, Treated Water Transmission	n/a	0	0	0	1,528	1,103	407	451	3,219	6,708

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,708
Other Funding Source	0
Total	6,708

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

Project	**South County Pipeline Right of Way Acquisition**
Program	Water Supply – Transmission
Priority No.	39
Project No.	92144001
District Contact	Dave Chesterman dchesterman@valleywater.org



Access to much of the San Felipe Division pipelines must currently be made through private property, due to a lack of easements, such as Bloomfield access at Vault 21-23.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements related to the acquisition of right of way along the South County Pipeline to accomplish the following objectives:

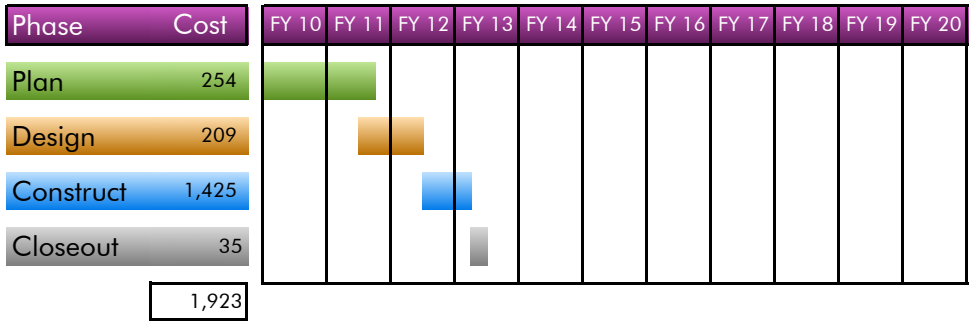
- Provide unlimited access to District owned pipeline.
- Reduce conflicts with local land owners and improve response time for emergency repairs or operations.

PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to December 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
South County Pipeline Right of Way Acquisition	1	36	329	1,033	524	0	0	0	1,923
with inflation	1	36	329	1,119	591	0	0	0	2,075

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
South County Pipeline Right of Way Acquisition	174	0	137	192	1,119	591	0	0	0	2,075

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,075
Other Funding Source	0
Total	2,075

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $8,000 per year, beginning in FY 2013, for vegetation control and/or maintenance of fences, gates and locks for the access roads.

USEFUL LIFE: 15-20 Years

Project	**Stevens Creek & Vasona Raw Water Distribution**
Program	Water Supply – Transmission
Priority No.	41
Project No.	92764010
District Contact	Dave Chesterman dchesterman@valleywater.org



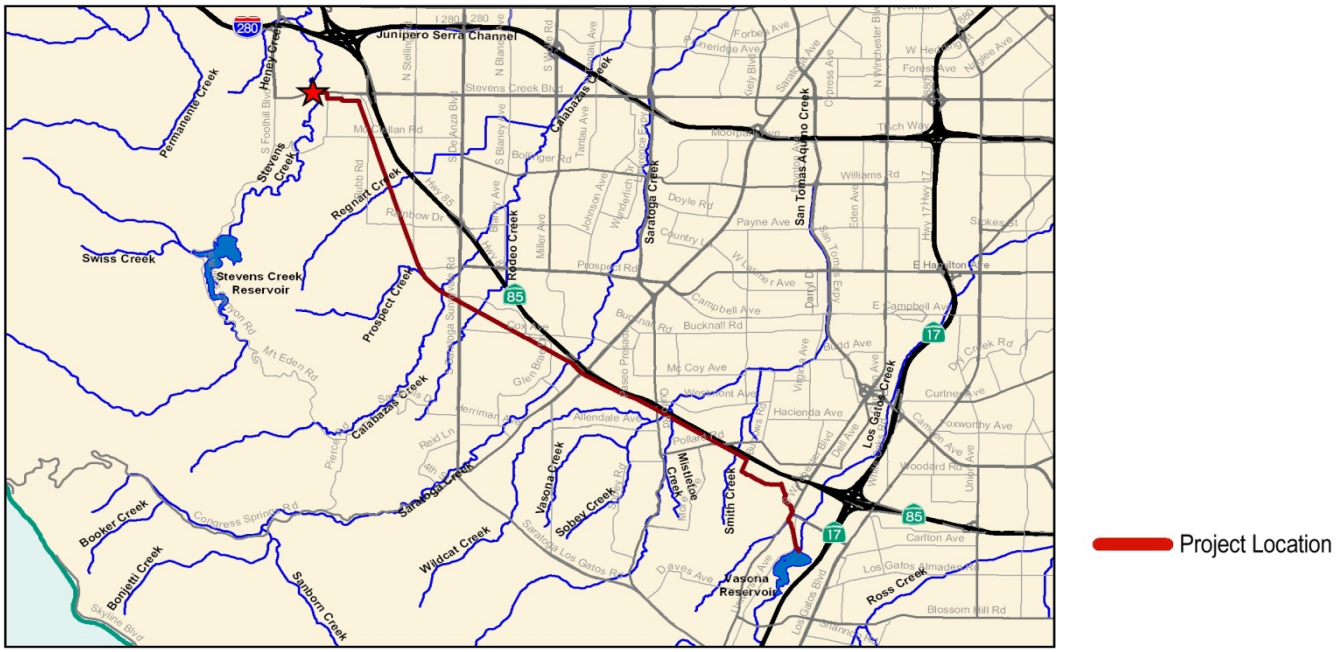
Stevens Creek Pipeline intersects Vasona Canal near Pollard Road and Highway 85.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Stevens Creek and Vasona raw water conveyance system, to accomplish the following objectives:

- Improve water supply reliability by adding raw water system operational flexibility.
- Increase beneficial use of local water supply.
- Increase the District's capacity to exercise water rights.
- Increase potential for groundwater recharge.
- Provide an alternate source of stream flow of adequate temp and quantity without using water from Stevens Creek Reservoir, when it is out of service.

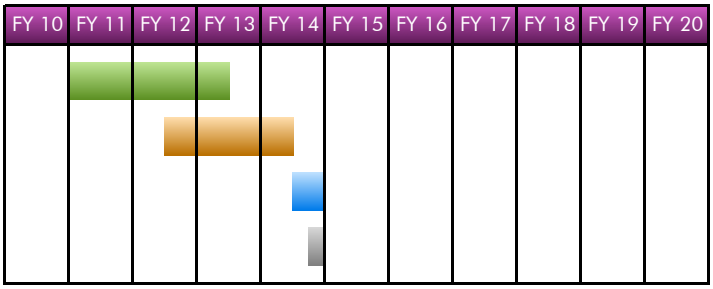
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to June 2014

Phase	Cost
Plan	1,694
Design	15,500
Construct	9,600
Closeout	100
	26,894



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Stevens Creek & Vasona Raw Water Distribution	0	10	428	846	15,610	10,000	0	0	26,894
with inflation	0	10	428	920	17,712	11,705	0	0	30,775

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Stevens Creek & Vasona Raw Water Distribution	0	122	112	316	920	17,712	11,705	0	0	30,775

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	30,775
Other Funding Source	0
Total	30,775

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**IRP2 Well Fields**
Program	Water Supply – Treatment
Priority No.	46
Project No.	93504001
District Contact	Dave Chesterman dchesterman@valleywater.org



The District will work collaboratively with retailers to optimize well locations like this one and identify cost savings.

PROJECT DESCRIPTION

This project plans, designs, and constructs approximately 20 new wells, with an anticipated capacity of 1500 gpm each, near District transmission mains and retailer turnouts on the East and West sides of the District's distribution system to accomplish the following objectives:

- provide reliable emergency supply to retailers following a catastrophic event.
- provide up to 80 MGD (40 MGD on the East Side and 40 MGD on the West Side) of emergency supply (not new supply).

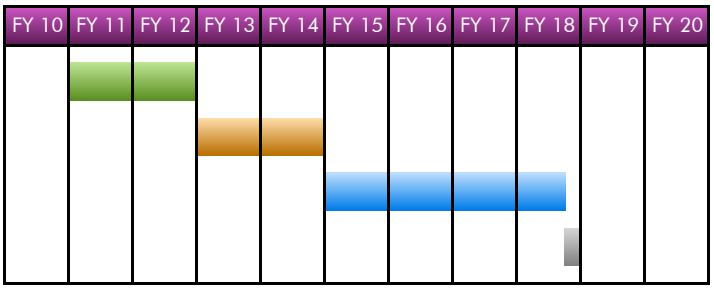
PROJECT LOCATION

No project map is provided. Sites are not provided for security reasons.

SCHEDULE & STATUS

July 2010 to June 2018

Phase	Cost
Plan	5,908
Design	10,154
Construct	47,710
Closeout	600
	64,372



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
IRP2 Well Fields	0	0	79	5,829	5,077	5,077	24,858	23,452	64,372
with inflation	0	0	79	6,341	5,760	6,008	30,321	30,647	79,156

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
IRP2 Well Fields	0	0	0	79	6,341	5,760	6,008	30,321	30,647	79,156

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	79,156
Other Funding Source	0
Total	79,156

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**IRP2 Seismic Study and Retrofit of WTP Operations Buildings**
Program	Water Supply – Treatment
Priority No.	72
Project No.	93764003
District Contact	Dave Chesterman dchesterman@valleywater.org



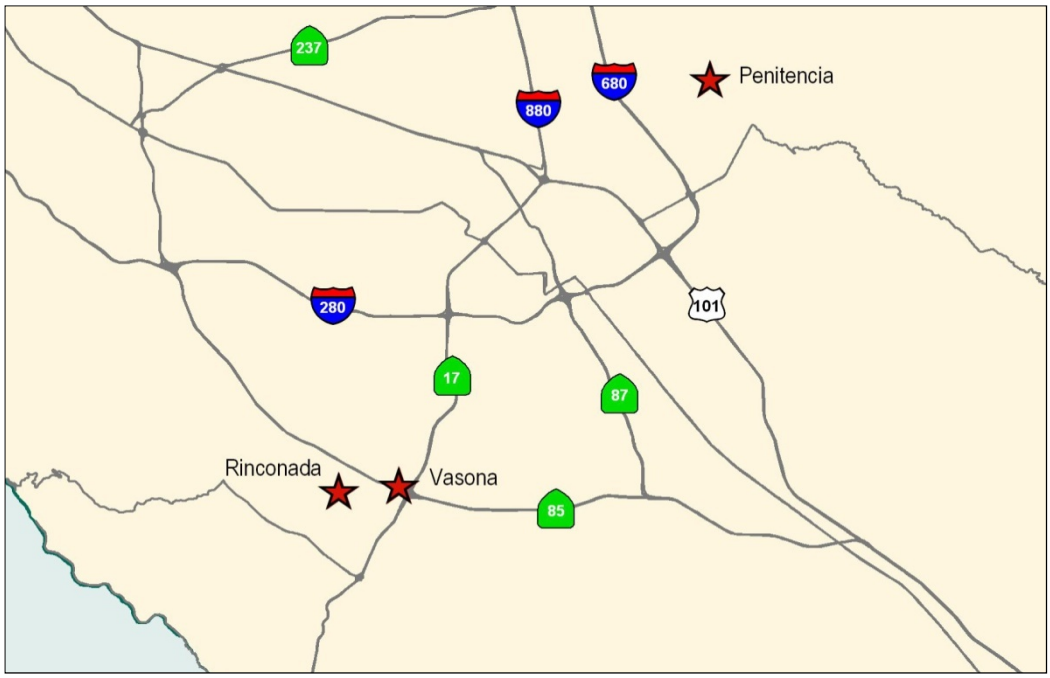
The RWTP control building is one of four buildings that will be studied and possibly retrofitted to meet safety requirements

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements, including possible seismic retrofitting of two water treatment plant operations buildings and two buildings at the Vasona Pump Station that were built prior to 1980, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to ensure a healthy and safe work environment for employees and provide for continued functionality of these critical facilities after a major earthquake.

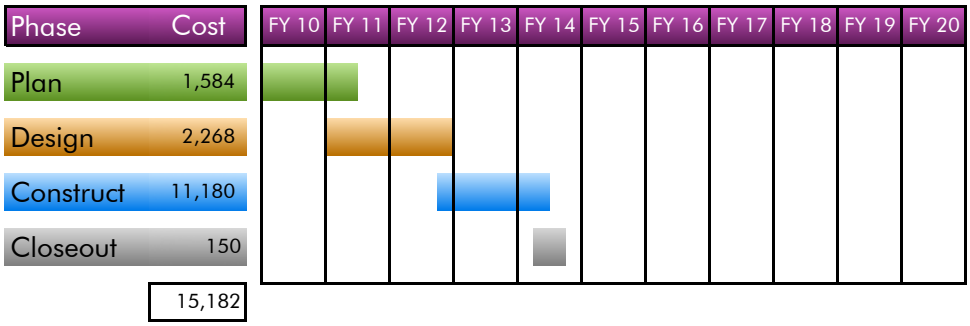
In addition, this Project will consider some non-structural elements of the Rinconada Water Treatment Plant (RWTP) Control Building, such as space reallocation, ADA improvements, and HVAC system rehabilitation.

PROJECT LOCATION



SCHEDULE & STATUS

January 2008 to February 2014



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
IRP2 Seismic Study and Retrofit of WTP Operations Buildings	299	1,190	1,533	6,565	3,170	2,425	0	0	15,182
with inflation	299	1,190	1,533	7,106	3,571	2,843	0	0	16,542

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
IRP2 Seismic Study and Retrofit of WTP Operations Buildings	4,314	0	2,825	0	5,814	3,571	2,843	0	0	16,542

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	16,542
Other Funding Source	0
Total	16,542

OPERATING COST IMPACTS

Completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not alter the existing modes of operation. However, seismic retrofit will reduce or avoid structural damages and reduce the cost of post-earthquake repairs.

USEFUL LIFE: 50+ Years

Project	**PWTP Ammonia System Relocation and Upgrades**
Program	Water Supply – Treatment
Priority No.	66
Project No.	93C40275
District Contact	Dave Chesterman dchesterman@valleywater.org



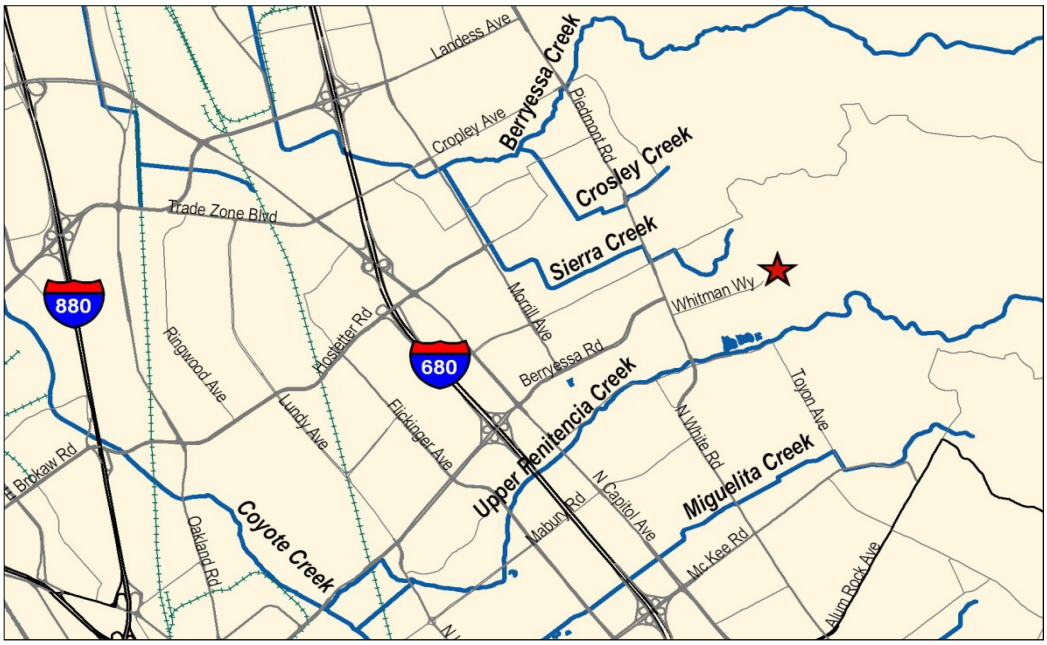
Existing Ammonia Storage Tank at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the ammonia system at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Reduce operational and water quality risks.
- Improve ability to reliably control the quality of the treated water.

PROJECT LOCATION

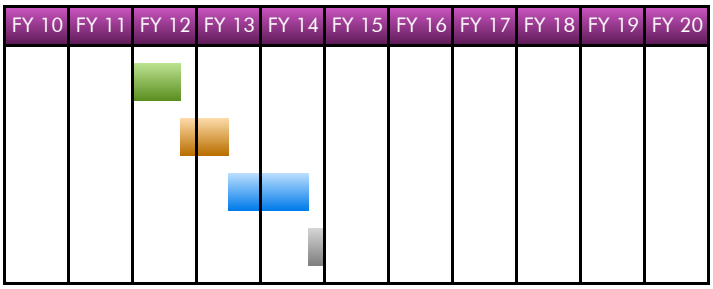


★ Project Location

SCHEDULE & STATUS

July 2011 to June 2014

Phase	Cost
Plan	425
Design	599
Construct	2,736
Closeout	32
	3,791



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Ammonia System Relocation and Upgrades	0	0	0	603	2,943	246	0	0	3,791
with inflation	0	0	0	656	3,317	291	0	0	4,264

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Ammonia System Relocation and Upgrades	0	0	0	0	656	3,317	291	0	0	4,264

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,264
Other Funding Source	0
Total	4,264

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE:

Concrete – 50 Years; Tank – 30 Years; Feed pumps – 15 years

Project	**PWTP Backwash Pump Replacement**
Program	Water Supply – Treatment
Priority No.	68
Project No.	93234036
District Contact	Dave Chesterman dchesterman@valleywater.org



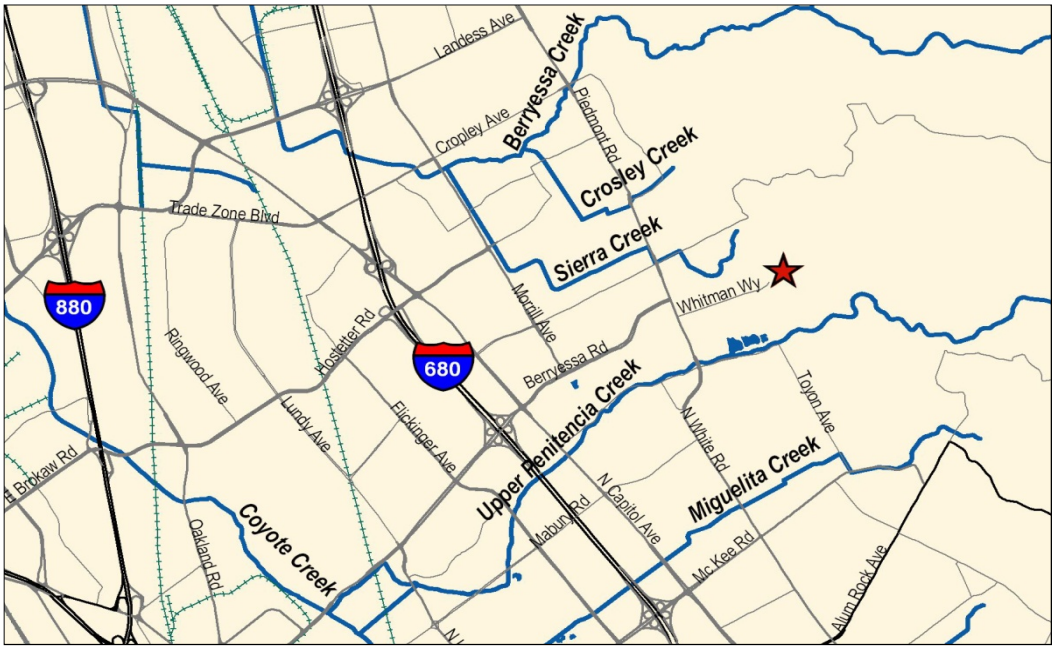
Existing backwash pump at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace the existing Penitencia Water Treatment Plant (PWTP) backwash pump to accomplish the following objectives:

- Ensure the reliability and integrity of the Utility's infrastructure.
- Facilitate or enhance the Utility's abilities to process water PWTP.

PROJECT LOCATION



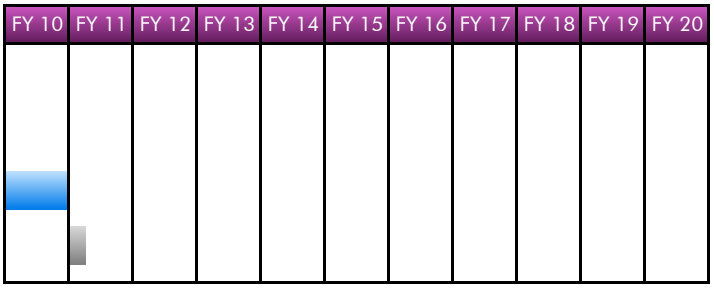
★ Project Location

SCHEDULE & STATUS

May 2004 to September 2010

Planning Phase is complete.
Design Phase is complete.

Phase	Cost
Plan	249
Design	764
Construct	1,340
Closeout	26
	2,379



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Backwash Pump Replacement	1,922	351	106	0	0	0	0	0	2,379
with inflation	1,922	351	106	0	0	0	0	0	2,379

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
PWTP Backwash Pump Replacement	1,929	344	0	106	0	0	0	0	0	2,379

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,379
Other Funding Source	0
Total	2,379

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. This project will replace the existing backwash pump and motor with a new and more efficient pump and motor. Future operational cost savings are not expected to be significant.

USEFUL LIFE: 40 Years

Project	**PWTP Chemical Systems Upgrade**
Program	Water Supply – Treatment
Priority No.	40
Project No.	93234032
District Contact	Dave Chesterman dchesterman@valleywater.org



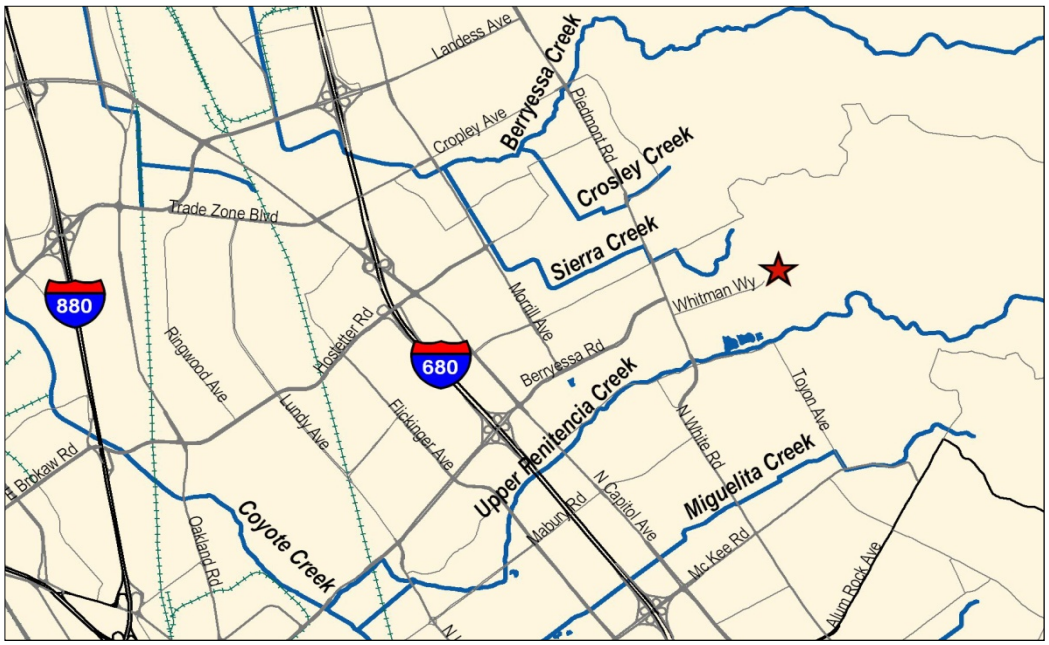
Corrosion Inhibitor Chemical Storage Tank at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) chemical systems to accomplish the following objectives:

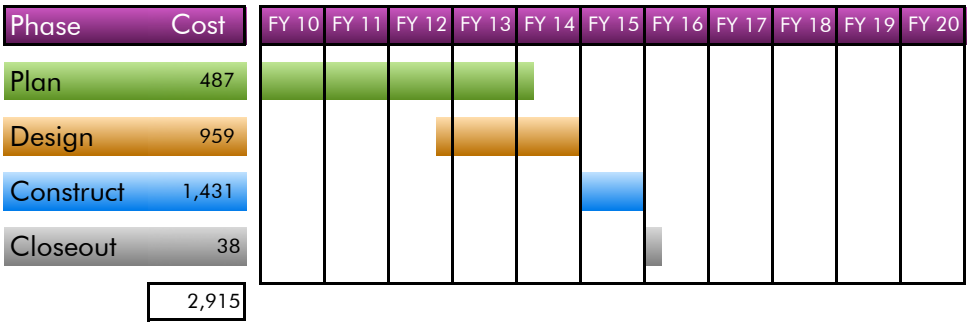
- Minimize system breakdowns, thus improving operational redundancy and reliability.
- Provide a reliable corrosion control storage and feed system that will reduce the risk of chemical feed loss.
- Prevent contaminated water from re-entering the plant process systems.
- Prevent release of chemicals from piping systems and avoid soil contamination.

PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to September 2015



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Chemical Systems Upgrade	589	0	0	167	481	1,470	193	15	2,915
with inflation	589	0	0	182	546	1,723	238	19	3,297

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
PWTP Chemical Systems Upgrade	1,353	0	764	0	0	0	1,687	238	19	3,297

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,297
Other Funding Source	0
Total	3,297

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by $6,000 per year, beginning in FY 2016, for monthly inspection and testing, and annual service.

USEFUL LIFE: 15+ Years

Project	**PWTP Clearwell Coating**
Program	Water Supply – Treatment
Priority No.	59
Project No.	93234043
District Contact	Dave Chesterman dchesterman@valleywater.org



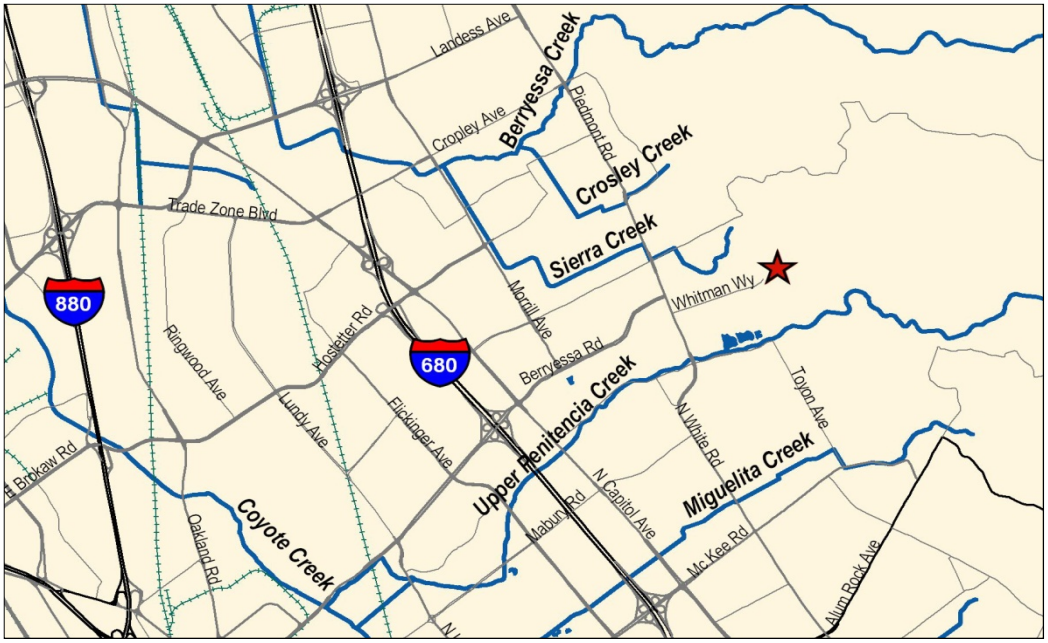
Active corrosion of the rafters and rafter support

PROJECT DESCRIPTION

This project plans, designs, and constructs corrosion repairs to the existing clearwell at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Extend the life of the PWTP Clearwell by removing as much corrosion as possible and recoating surfaces as necessary.
- Evaluate the structural condition of the rafters and supports as identified in the January 2009 report by Bay Area Coating Consultants.

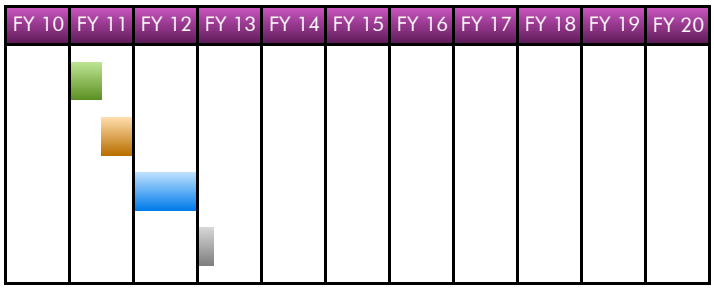
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to September 2012

Phase	Cost
Plan	370
Design	770
Construct	2,720
Closeout	30
	3,890



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Clearwell Coating	0	0	1,003	2,867	20	0	0	0	3,890
with inflation	0	0	1,003	3,103	23	0	0	0	4,129

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
PWTP Clearwell Coating	0	0	0	1,003	3,103	23	0	0	0	4,129

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,129
Other Funding Source	0
Total	4,129

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs as it does not alter existing modes of operation.

USEFUL LIFE: 15 Years

Project	**PWTP Filter Basin Covers Improvement**
Program	Water Supply – Treatment
Priority No.	31
Project No.	93C40277
District Contact	Dave Chesterman dchesterman@valleywater.org



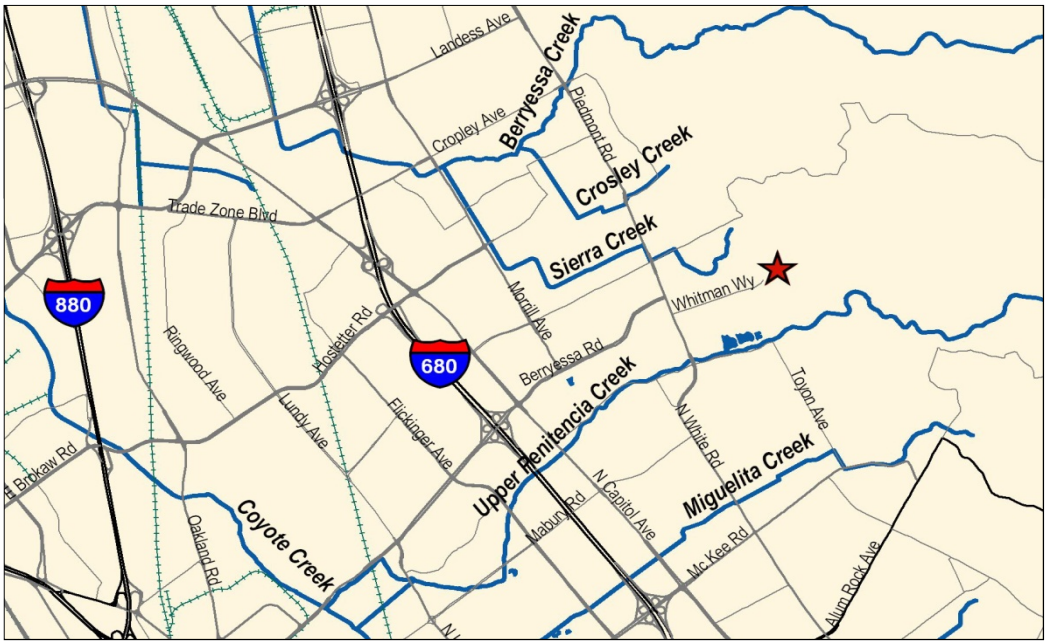
Existing filter basins at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Penitencia Water Treatment Plant (PWTP) filter basins to accomplish the following objectives:

- Reduce algae growth by creating a physical barrier to block the sunlight that algae require to grow.
- Reduce potential for clogging of the filter basins.
- Reduce potential for in-plant taste and odor production.

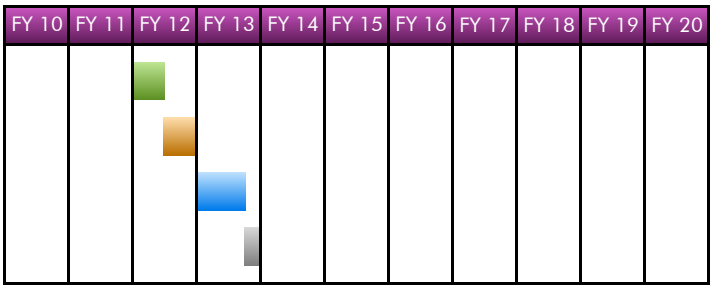
PROJECT LOCATION



SCHEDULE & STATUS

July 2011 to June 2013

Phase	Cost
Plan	157
Design	226
Construct	508
Closeout	53
	944



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Filter Basin Covers Improvement	0	0	0	353	591	0	0	0	944
with inflation	0	0	0	385	667	0	0	0	1,051

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Filter Basin Covers Improvement	0	0	0	0	385	667	0	0	0	1,051

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,051
Other Funding Source	0
Total	1,051

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 to 20 Years

Project	**PWTP Large Valve Automation**
Program	Water Supply – Treatment
Priority No.	31
Project No.	93C40278
District Contact	Dave Chesterman dchesterman@valleywater.org



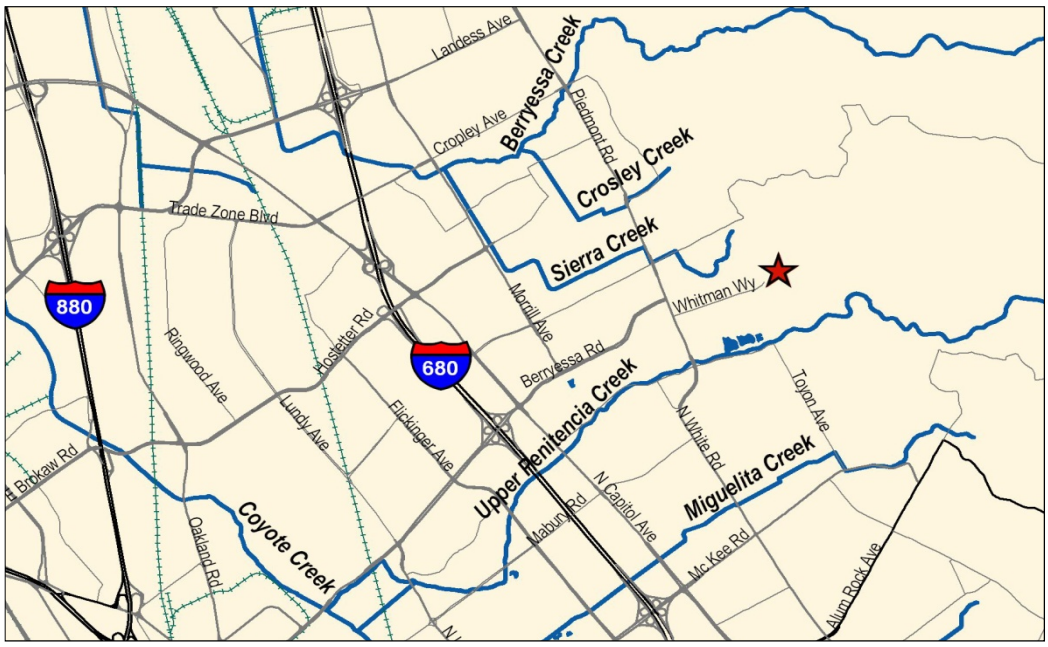
Locally controlled large motor operated valves at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the large valves at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Reduce operational and water quality risks.
- Improve operational flexibility at PWTP.
- Improve ability to expedite plant shutdown.

PROJECT LOCATION

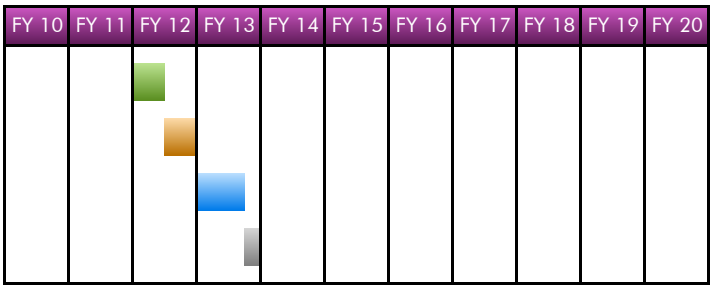


★ Project Location

SCHEDULE & STATUS

July 2011 to June 2013

Phase	Cost
Plan	112
Design	184
Construct	560
Closeout	25
	881



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Large Valve Automation	0	0	0	748	133	0	0	0	881
with inflation	0	0	0	811	151	0	0	0	962

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Large Valve Automation	0	0	0	0	811	151	0	0	0	962

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	962
Other Funding Source	0
Total	962

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 35-40 Years

Project	**PWTP Maintenance Building**
Program	Water Supply – Treatment
Priority No.	94
Project No.	93234031
District Contact	Dave Chesterman dchesterman@valleywater.org

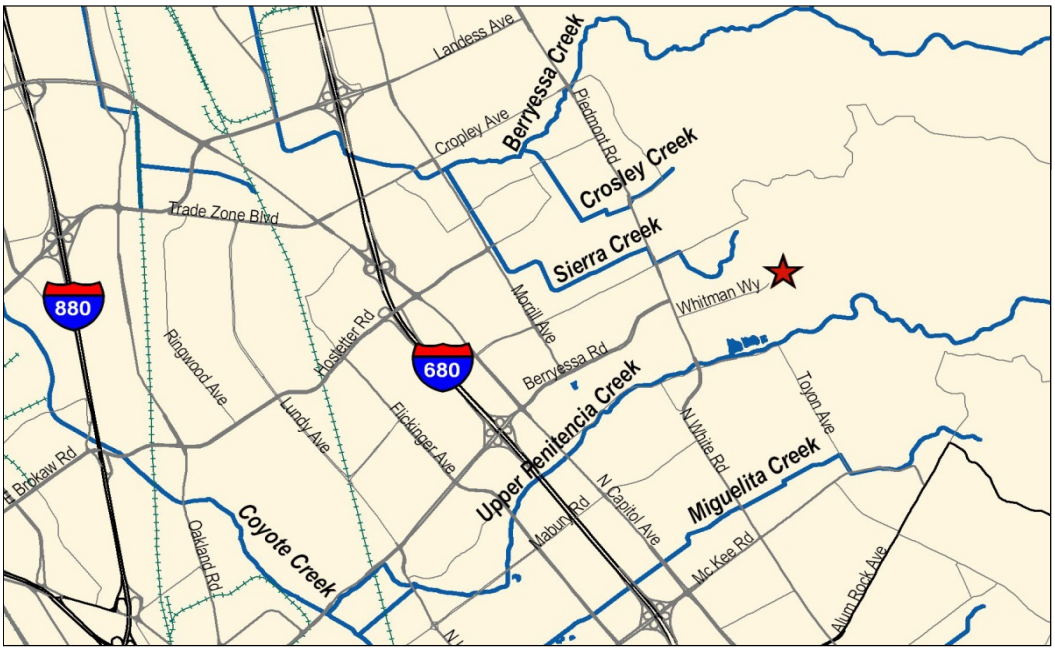


Story poles depicting maintenance building to be constructed at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs a new maintenance building at Penitencia Water Treatment Plant to provide adequate workshop space and storage areas to meet the needs of the maintenance personnel at the plant.

PROJECT LOCATION

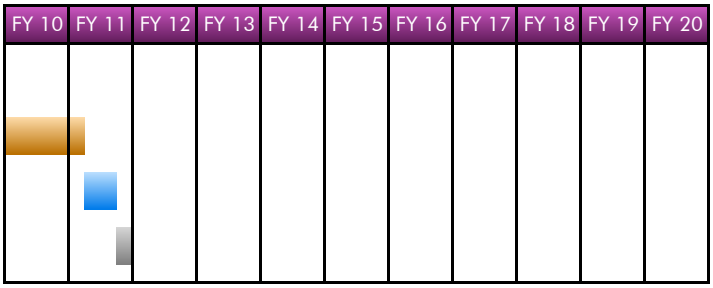


SCHEDULE & STATUS

March 2000 to April 2011

Planning Phase is complete.

Phase	Cost
Plan	1,462
Design	1,515
Construct	2,500
Closeout	100
	5,577



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Maintenance Building	2,294	1,025	2,258	0	0	0	0	0	5,577
with inflation	2,294	1,025	2,258	0	0	0	0	0	5,577

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
PWTP Maintenance Building	5,403	294	2,378	0	0	0	0	0	0	5,697

Adjusted Budget includes adopted budget plus approved budget adjustments. A budget adjustment moved $1,838,702 of excess funding to fund reserves. However, funding still exceeds planned expenditures by approximately $120,000 and that amount will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,697
Other Funding Source	0
Total	5,697

OPERATING COST IMPACTS

Completion of the project is anticipated to increase operating expenditure by $15,000 per year, beginning in FY 2011. The cost of operation of the new building (water, power, etc.) is approximately $1,000 to $2,000 per month. Initially, maintenance costs should be very low.

USEFUL LIFE: 50+ Years

Project	**PWTP Standby Power Upgrade**
Program	Water Supply – Treatment
Priority No.	82
Project No.	93234033
District Contact	Frank Maitski fmaitski@valleywater.org



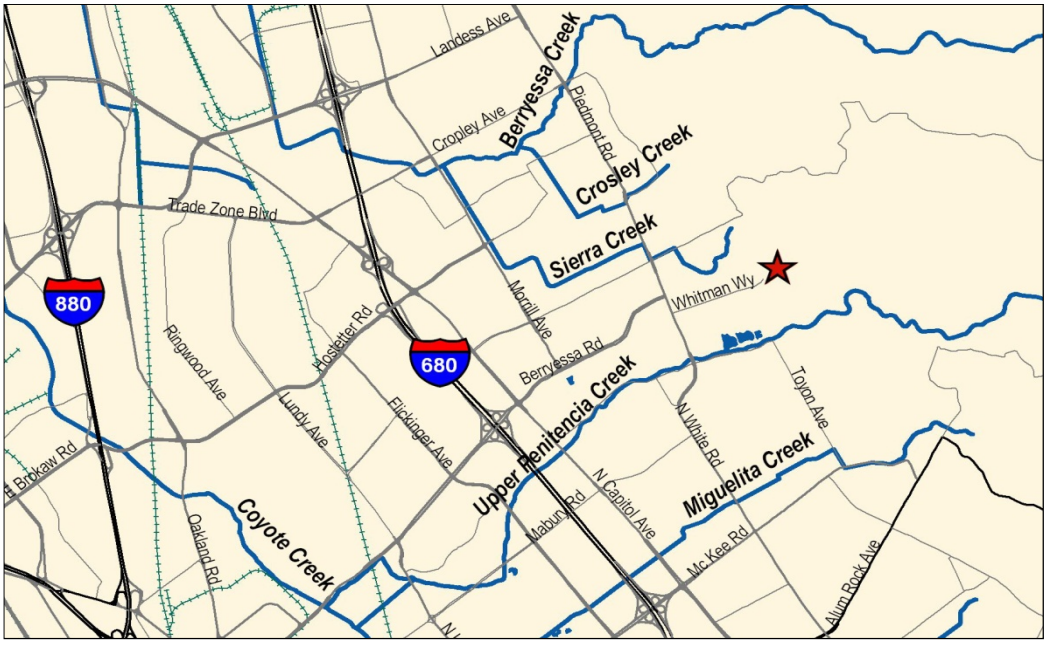
Existing adjustable speed drive (ASD) to be replaced

PROJECT DESCRIPTION

This project plans, designs, and constructs a new backup generator at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Provide all necessary modification including replacement of the existing standby generator to provide reliable and adequate standby power during utility power loss.
- Meet all code requirements necessary to maintain adequate plant operations and assure reliable water delivery.

PROJECT LOCATION



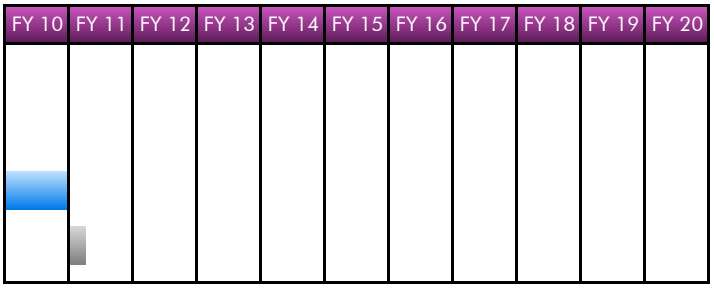
★ Project Location

SCHEDULE & STATUS

January 2003 to September 2010

Planning Phase is complete.
Design Phase is complete.

Phase	Cost
Plan	614
Design	478
Construct	1,826
Closeout	40
	2,958



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Standby Power Upgrade	2,681	199	78	0	0	0	0	0	2,958
with inflation	2,681	199	78	0	0	0	0	0	2,958

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
PWTP Standby Power Upgrade	3,013	0	133	0	0	0	0	0	0	3,013

Project funding exceeds expenditures by approximately $55,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,013
Other Funding Source	0
Total	3,013

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by $6,000 per year, beginning in FY 2011, for monthly inspection and testing, and annual service.

USEFUL LIFE: 15+ Years

Project	**PWTP Washwater Clarification Facility**
Program	Water Supply – Treatment
Priority No.	55
Project No.	93C40199
District Contact	Dave Chesterman dchesterman@valleywater.org



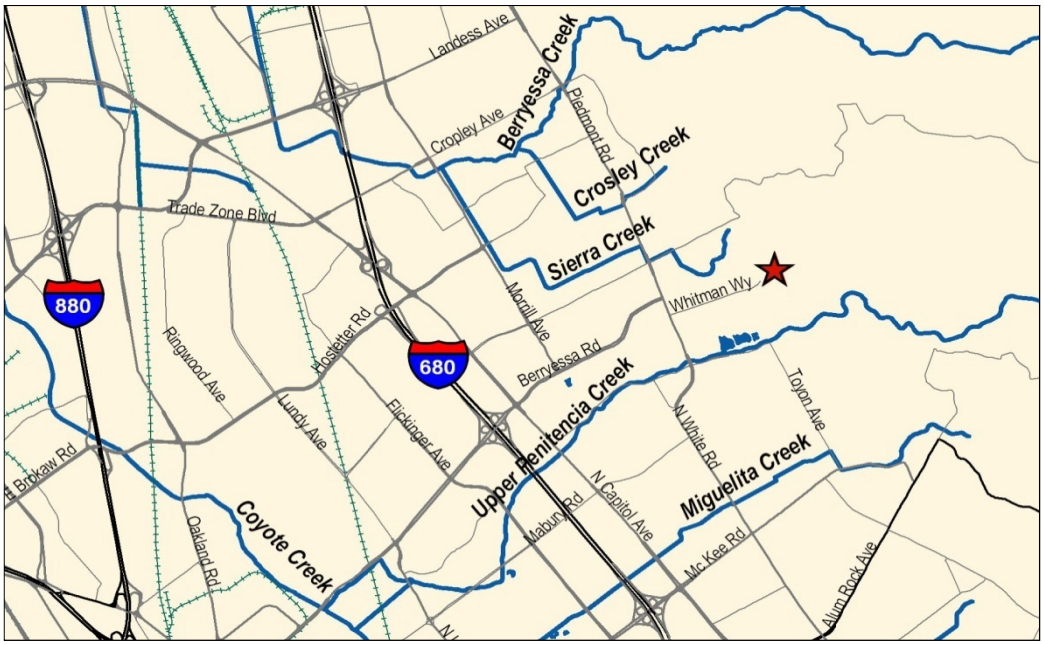
Potential site for new washwater clarification facility in foreground

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) that create a new washwater clarification facility to accomplish the following objectives:

- Improve treated water quality.
- Comply with the Federal Filter Backwash Recycling Rule (FBRR) and the California Cryptosporidium Action Plan (CAP).

PROJECT LOCATION

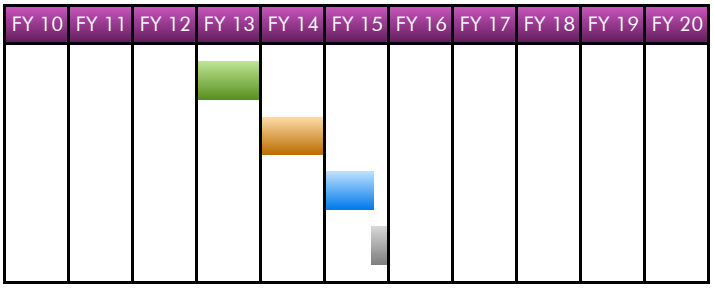


★ Project Location

SCHEDULE & STATUS

July 2012 to June 2015

Phase	Cost
Plan	441
Design	508
Construct	5,231
Closeout	23
	6,203



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Washwater Clarification Facility	0	0	0	0	441	508	5,254	0	6,203
with inflation	0	0	0	0	500	601	6,394	0	7,496

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Washwater Clarification Facility	0	0	0	0	0	500	601	6,394	0	7,496

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,496
Other Funding Source	0
Total	7,496

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $50,000 per year beginning in FY 2016, for routine inspections and preventative and maintenance of the new facility.

USEFUL LIFE: Small Pumps – 15 Years; Large Pumps – 35 Years; Chain & Flight System – 20 Years; Structural Elements – 50+ Years

Project	**PWTP Water Pumps Modification**
Program	Water Supply – Treatment
Priority No.	92
Project No.	93234042
District Contact	Dave Chesterman dchesterman@valleywater.org



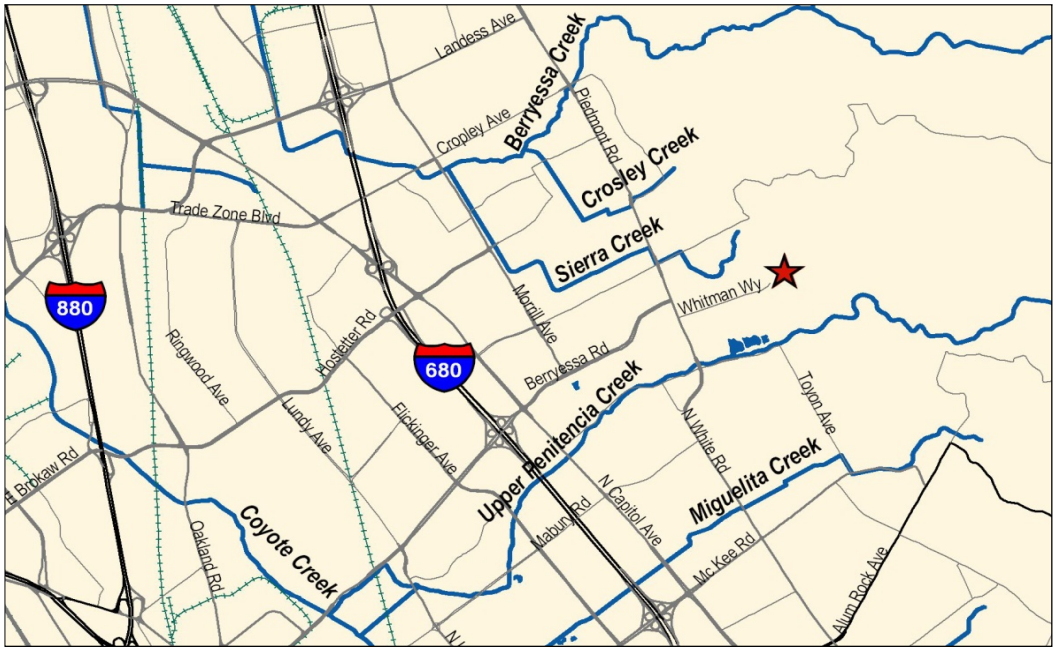
Two plant water pumps and three cooling water pumps supply water used at the Penitencia Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) pumps to accomplish the following objectives:

- Increase operating capacity of the plant water pumps.
- Increase operating capacity of the cooling water pumps.
- Meet plant water demands.
- Improve operational reliability.

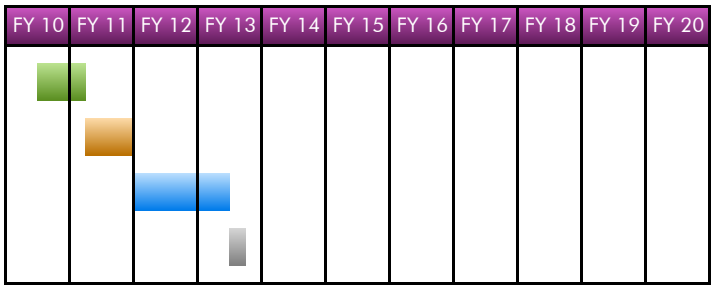
PROJECT LOCATION



SCHEDULE & STATUS

November 2009 to January 2013

Phase	Cost
Plan	362
Design	536
Construct	2,398
Closeout	31
	3,327



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
PWTP Water Pumps Modification	44	270	2,431	105	477	0	0	0	3,327
with inflation	44	270	2,431	114	541	0	0	0	3,400

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
PWTP Water Pumps Modification	170	436	292	2,139	114	541	0	0	0	3,400

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,400
Other Funding Source	0
Total	3,400

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 30 Years

Project	**RWTP BL-1 Valve Vault Replacement**
Program	Water Supply – Treatment
Priority No.	55
Project No.	93C40115
District Contact	Michael Hamer mhamer@valleywater.org



Access to this underground enclosure is located in the middle of a driveway used by large 18-wheelers to access other areas of the plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) BL-1 Valve Vault to accomplish the following objectives:

- Relieve difficult access.
- Provide for a reliable valve.
- Provide an isolation or "guard" valve.

PROJECT LOCATION

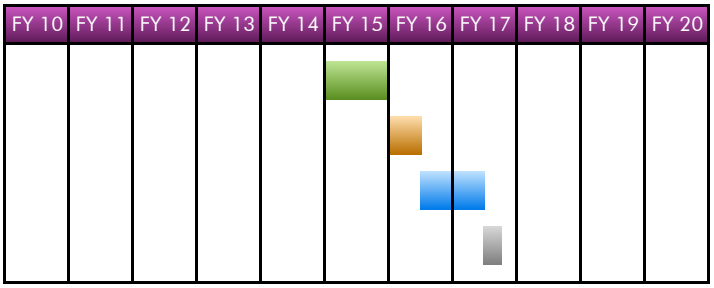


★ Project Location

SCHEDULE & STATUS

July 2014 to March 2017

Phase	Cost
Plan	212
Design	106
Construct	917
Closeout	30
	1,265



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP BL-1 Valve Vault Replacement	0	0	0	0	0	0	212	1,053	1,265
with inflation	0	0	0	0	0	0	262	1,344	1,605

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
RWTP BL-1 Valve Vault Replacement	0	0	0	0	0	0	0	262	1,344	1,605

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,605
Other Funding Source	0
Total	1,605

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not signifiantly alter the existing facilities or modes of operation.

USEFUL LIFE: Vault – 40 Years; Valve – 35 Years; Control System – 15 Years

Project	**RWTP Chemical System Upgrade**
Program	Water Supply – Treatment
Priority No.	52
Project No.	93294029
District Contact	Dave Chesterman dchesterman@valleywater.org



The existing corrosion inhibitor facility at RWTP will be upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the phosphoric and caustic facilities, plant effluent flow meter, and backwash pump adjustable speed drive at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve plant reliability.
- Ensure compliance with the Lead and Copper Rule.

PROJECT LOCATION



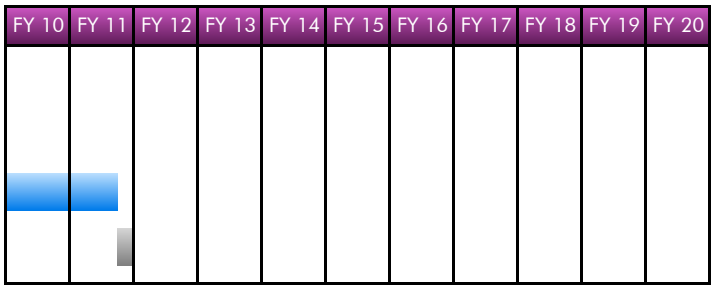
★ Project Location

SCHEDULE & STATUS

October 2002 to June 2011

Planning Phase is complete.
Design Phase is complete.

Phase	Cost
Plan	593
Design	1,295
Construct	3,866
Closeout	61
	5,815



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP Chemical System Upgrade	4,113	920	782	0	0	0	0	0	5,815
with inflation	4,113	920	782	0	0	0	0	0	5,815

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
RWTP Chemical System Upgrade	5,957	3	927	0	0	0	0	0	0	5,960

Adjusted Budget includes adopted budget plus approved budget adjustments. Approved funding exceeds planned expenditures by $145,000.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,960
Other Funding Source	0
Total	5,960

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Tanks – 20 Years. Flow Meter, Mechanical and Electrical Equipment – 15 Years.

Project	**RWTP Filter Polymer System Improvement**
Program	Water Supply – Treatment
Priority No.	92
Project No.	93C40280
District Contact	Dave Chesterman dchesterman@valleywater.org



The existing filter polymer feed and storage system will be replaced.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Rinconada Water Treatment Plant (RWTP) filter polymer feed system to accomplish the following objectives:

- Improve plant reliability and operability.
- Extend the useful life of Rinconada Water Treatment Plant.

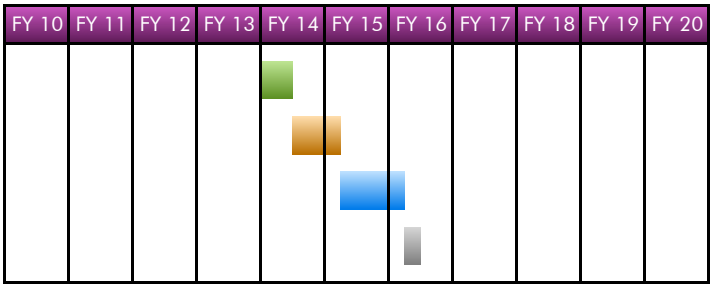
PROJECT LOCATION



SCHEDULE & STATUS

July 2013 to December 2015

Phase	Cost
Plan	63
Design	223
Construct	920
Closeout	21
	1,227



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP Filter Polymer System Improvement	0	0	0	0	0	191	952	85	1,227
with inflation	0	0	0	0	0	226	1,162	109	1,498

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP Filter Polymer System Improvement	0	0	0	0	0	0	226	1,162	109	1,498

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,498
Other Funding Source	0
Total	1,498

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Chemical Storage Structure & Pump Valves Upgrade**
Program	Water Supply – Treatment
Priority No.	96
Project No.	93294056
District Contact	Dave Chesterman dchesterman@valleywater.org



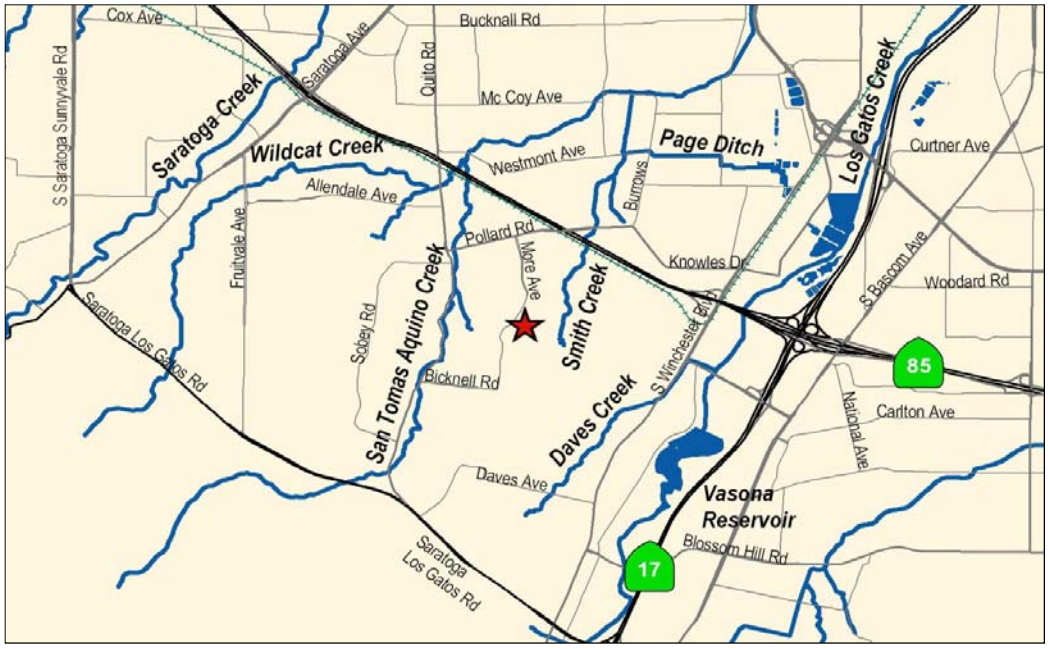
This structure, housing the chemical storage tanks at RWTP, will be seismically upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) chemical storage structure and main pump system valves and actuators, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Ensure plant operational reliability be improving seismic performance of the existing chemical storage structures.
- Improve ability to maintain RWTP.
- Provide more reliable and watertight isolation of these valves from future work areas.

PROJECT LOCATION

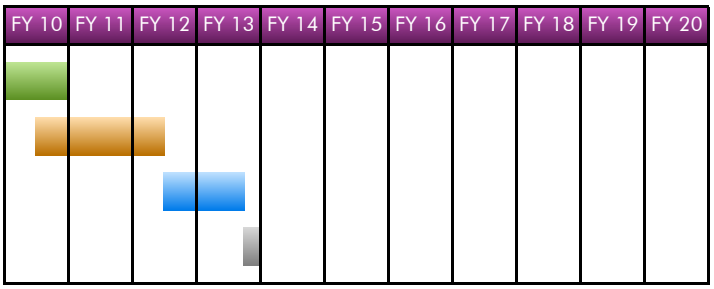


★ Project Location

SCHEDULE & STATUS

July 2009 to June 2013

Phase	Cost
Plan	200
Design	868
Construct	3,710
Closeout	70
	4,848



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Chemical Storage Structure & Pump Valves Upgrade	0	307	671	3,570	300	0	0	0	4,848
with inflation	0	307	671	3,867	340	0	0	0	5,185

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Chemical Storage Structure & Pump Valves Upgrade	0	307	0	671	3,867	340	0	0	0	5,185

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,185
Other Funding Source	0
Total	5,185

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: 40 Years

Project	**RWTP FRP Clarifier Rehabilitation**
Program	Water Supply – Treatment
Priority No.	96
Project No.	93294050
District Contact	Dave Chesterman dchesterman@valleywater.org



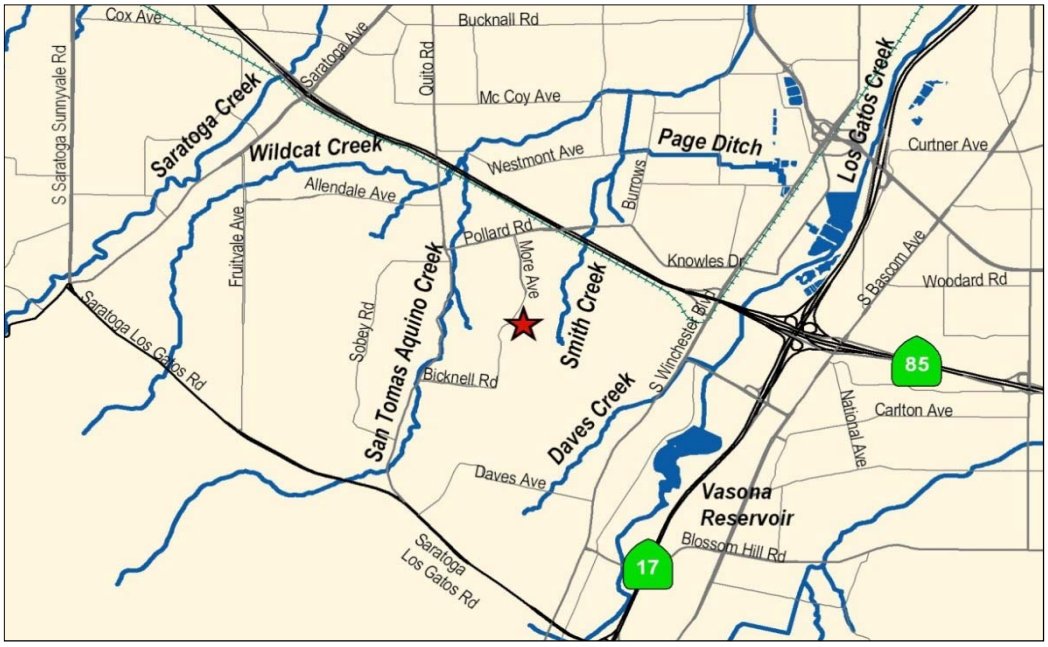
The existing clarifier mechanism will be replaced to improve operational reliability.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) in accordance with the Facility Renewal Program (FRP) to replace the 40-year-old clarification equipment, which is overdue for complete overhaul and replacement, to accomplish the following objectives:

- Extend the useful life of the water treatment plant.
- Increase reliability.

PROJECT LOCATION

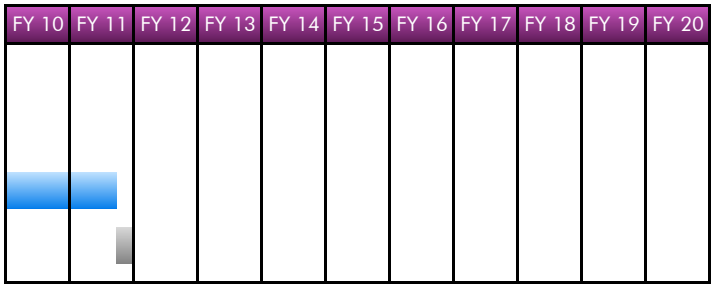


SCHEDULE & STATUS

July 2008 to June 2011

Planning Phase is complete.
Design Phase is complete.

Phase	Cost
Plan	204
Design	385
Construct	5,668
Closeout	80
	6,337



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Clarifier Rehabilitation	239	5,264	834	0	0	0	0	0	6,337
with inflation	239	5,264	834	0	0	0	0	0	6,337

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Clarifier Rehabilitation	6,337	0	834	0	0	0	0	0	0	6,337

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,337
Other Funding Source	0
Total	6,337

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Primary Electrical System Improvement**
Program	Water Supply – Treatment
Priority No.	96
Project No.	93294054
District Contact	David Chesterman dchesterman@valleywater.org



The RWTP's main electrical equipment will be replaced and upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) primary electrical equipment; including main transformers, switches, breakers and electrical panels, pump system valves, and actuators; consistent with the Facility Renewal Program (FRP) to improve reliability by avoiding unplanned plant shutdown due to failures of the primary electrical equipment.

PROJECT LOCATION

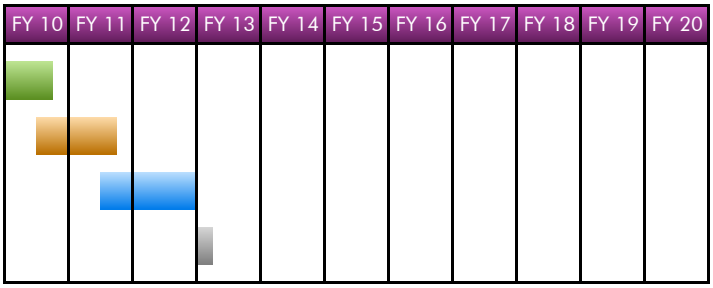


★ Project Location

SCHEDULE & STATUS

September 2008 to September 2012

Phase	Cost
Plan	677
Design	446
Construct	5,555
Closeout	80
	6,758



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Primary Electrical System Improvement	493	350	4,585	1,250	80	0	0	0	6,758
with inflation	493	350	4,585	1,360	91	0	0	0	6,879

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Primary Electrical System Improvement	923	247	327	4,258	1,360	91	0	0	0	6,879

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,879
Other Funding Source	0
Total	6,879

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Residuals Management**
Program	Water Supply – Treatment
Priority No.	96
Project No.	93294051
District Contact	Dave Chesterman dchesterman@valleywater.org



RWTP washwater recovery basins will be retrofitted.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) residuals management processes, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Extend the useful life of the treatment plant.
- Improve the efficiency of the residual management processes.
- Minimize risk of discharge violations.
- Improve the reliability of RWTP.

PROJECT LOCATION

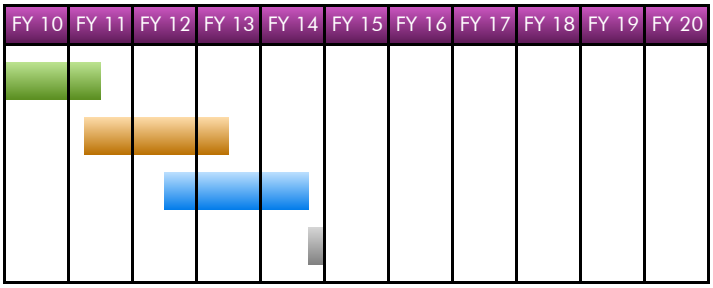


SCHEDULE & STATUS

July 2008 to June 2014

Design and Construction Phases overlap due to a phased approach to managing the project.

Phase	Cost
Plan	1,424
Design	2,858
Construct	16,574
Closeout	80
	20,936



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Residuals Management	928	400	1,825	10,183	6,820	780	0	0	20,936
with inflation	928	400	1,825	11,023	7,686	923	0	0	22,786

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Residuals Management	1,227	1,675	1,574	251	11,023	7,686	923	0	0	22,786

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	22,786
Other Funding Source	0
Total	22,786

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Structures – 50 Years; Mechanical Equipment – 15 Years; Electrical Equipment – 10 Years

Project	**RWTP FRP Site Improvement**
Program	Water Supply – Treatment
Priority No.	80
Project No.	93294055
District Contact	Dave Chesterman dchesterman@valleywater.org



The project will widen the roadway to provide adequate turning radius for large sludge trucks that currently drive off the road.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) roadways, consistent with the Facility Renewal Program (FRP) to minimize adverse impacts from failed roadways.

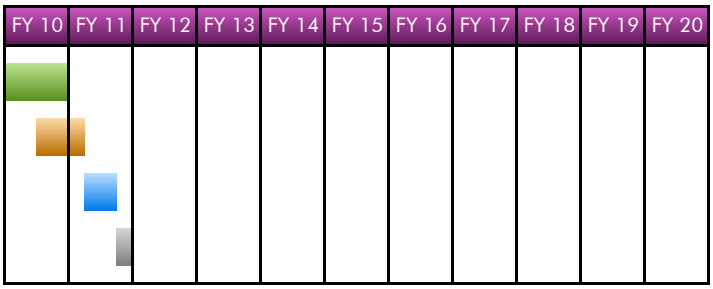
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2011

Phase	Cost
Plan	50
Design	194
Construct	747
Closeout	10
	1,001



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Site Improvement	0	214	787	0	0	0	0	0	1,001
with inflation	0	214	787	0	0	0	0	0	1,001

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP FRP Site Improvement	0	214	0	787	0	0	0	0	0	1,001

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

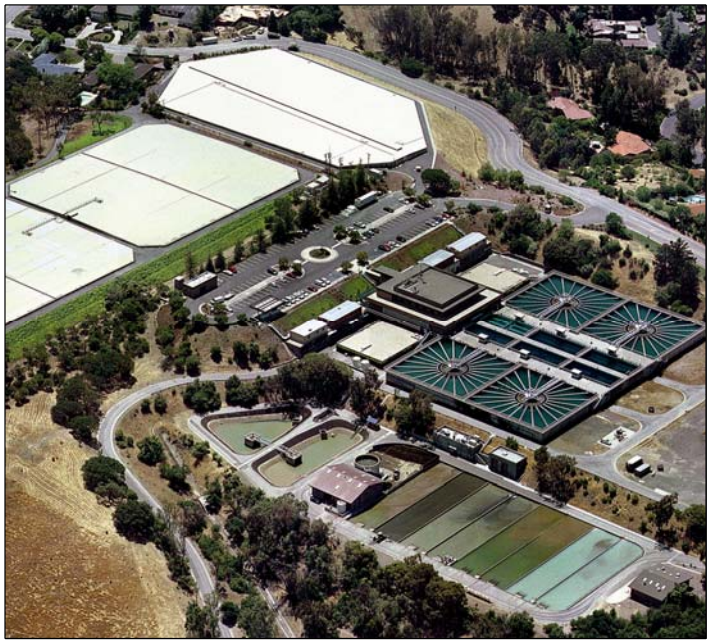
SCVWD Water Utility Enterprise Fund	1,001
Other Funding Source	0
Total	1,001

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 30 Years

Project	**RWTP Reliability Improvement**
Program	Water Supply – Treatment
Priority No.	73
Project No.	93294057
District Contact	Dave Chesterman dchesterman@valleywater.org



Rinconada Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve service factors by increasing clarification and filtration capacity.
- Provide for taste and odor control improvement, reduction of filter loading by addition or modification of filters, and washwater clarification.

PROJECT LOCATION

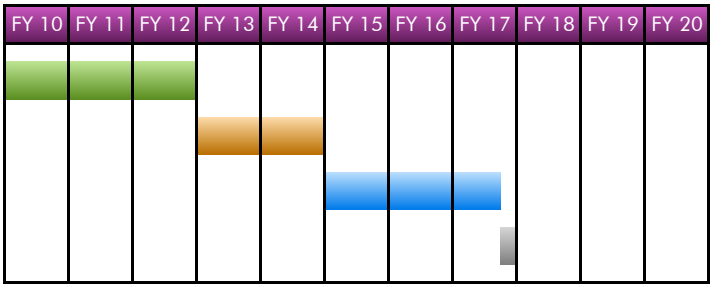


★ Project Location

SCHEDULE & STATUS

July 2009 to June 2017

Phase	Cost
Plan	3,756
Design	8,480
Construct	86,670
Closeout	160
	99,066



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
RWTP Reliability Improvement	0	380	2,076	1,300	4,690	3,790	35,090	51,740	99,066
with inflation	0	380	2,076	1,414	5,321	4,485	42,789	66,473	122,939

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
RWTP Reliability Improvement	0	2,110	1,730	346	1,414	5,321	4,485	42,789	66,473	122,939

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	122,939
Other Funding Source	0
Total	**122,939**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1.4 million per year, beginning in FY 2017. Increases are for routine maintenance and operation of new equipment.

USEFUL LIFE: Media – 20 Years; Structures – 50 Years; Equipment – 15 Years

Project	**RWTP Standby Power Upgrade**
Program	Water Supply – Treatment
Priority No.	74
Project No.	93294035
District Contact	Frank Maitski fmaitski@valleywater.org



Temporary location of generator in the Rinconada parking lot.

PROJECT DESCRIPTION

This project plans, designs, and constructs a new backup generator at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve the reliability and functional performance of the existing power supply systems by construction of a permanent facility.
- Ensure that the water treatment plant can continue to efficiently and reliably deliver treated water during utility power outage.
- Meet all code requirements.

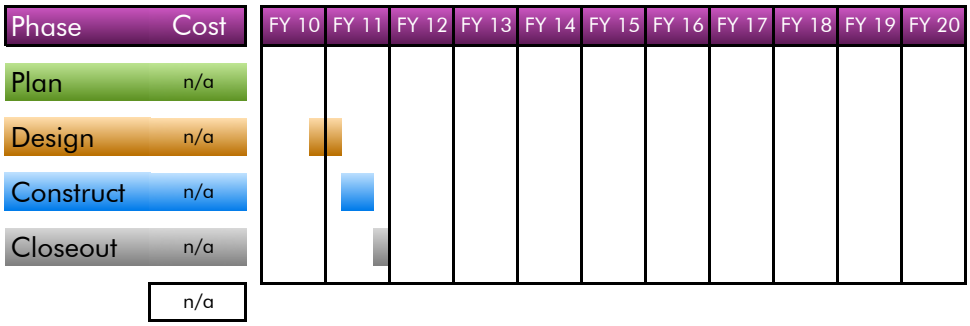
PROJECT LOCATION



SCHEDULE & STATUS

March 2002 to April 2011

Planning Phase is complete. Some planning activities done in operations - 93292055.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP Standby Power Upgrade	407	172	1,153	0	0	0	0	0	1,732
with inflation	407	172	1,153	0	0	0	0	0	1,732

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
RWTP Standby Power Upgrade	1,913	0	1,334	0	0	0	0	0	0	1,913

Project funding exceeds expenditures by approximately $163,000. Excess funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,913
Other Funding Source	0
Total	1,913

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs as the project does not alter the mode of operation.

USEFUL LIFE: 15+ Years

Project	**RWTP Valve Replacements**
Program	Water Supply – Treatment
Priority No.	61
Project No.	93294045
District Contact	Dave Chesterman dchesterman@valleywater.org



Existing filter gallery valve and actuator to be replaced

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP), including the replacement of valves and actuators and installation of new isolation valves to improve plant operational reliability and maintenance activities.

PROJECT LOCATION

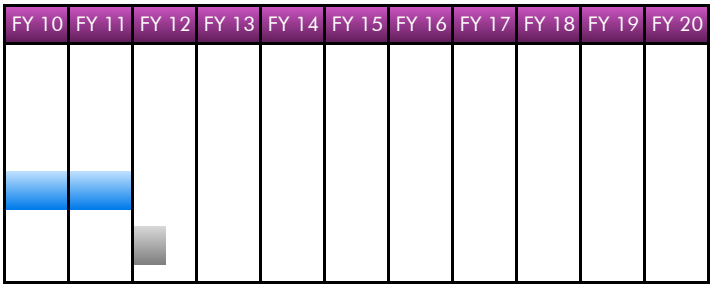


SCHEDULE & STATUS

July 2007 to December 2011

Planning Phase is complete.
Design Phase is complete.

Phase	Cost
Plan	129
Design	963
Construct	4,425
Closeout	71
	5,588



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
RWTP Valve Replacements	3,847	920	751	70	0	0	0	0	5,588
with inflation	3,847	920	751	76	0	0	0	0	5,594

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
RWTP Valve Replacements	5,886	132	1,251	0	0	0	0	0	0	6,018

Adjusted Budget includes adopted budget plus approved budget adjustments. Approved funding is $424,000 more than planned expenditures.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,018
Other Funding Source	0
Total	6,018

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: Valves – 30 Years. Actuators and Flow Meter – 20 Years.

Project	**Small Capital Improvements, Water Treatment**
Program	Water Supply – Treatment
Priority No.	56
Project No.	93764004
District Contact	Ray Yep ryep@valleywater.org



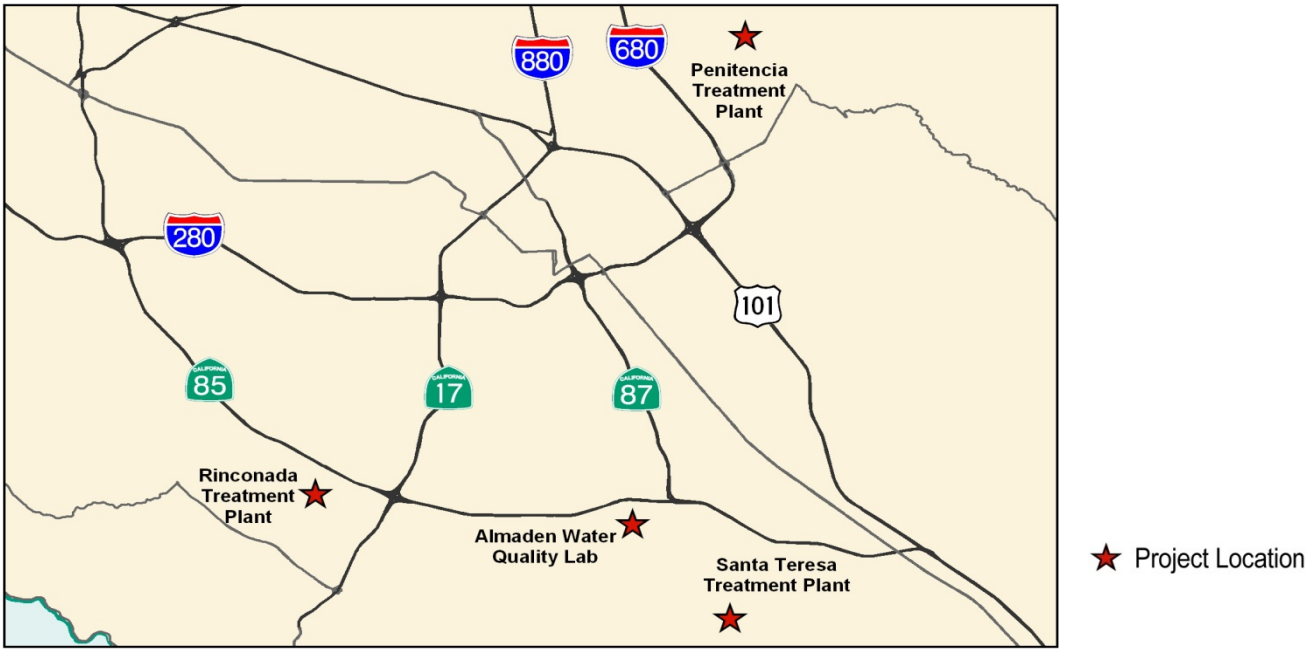
Small capital projects at water treatment facilities, similar to the repair of this damaged effluent valve support, will be done per the asset management program.

PROJECT DESCRIPTION

Small capital improvement projects provide funding for small capital investments that replace or extend the lifetime of an asset. This project implements a systematic approach of equipment replacement and renewal at the three water treatment plants by designing and constructing improvements identified as part of the District's 10-year asset management program. Typical activities included in this project include pump, motor, instrumentation and valve replacement; chemical tank inspection and repair; and large-scale renewal and replacement activities like clarifier mechanism overhaul and replacement. Planned projects to complete in FY 2011 include:

- PWTP: Rehabilitate effluent valve vault and repair pavement.
- STWTP: Refurbish and repair chemical tanks; replace 10 valve actuators; replace sedimentation basin train, chain, flights, sprockets and wear strip parts; upgrade propane boiler to meet air board requirements.
- RWTP: Replace handrails and hatch; replace weir gates; refurbish OCL tanks; replace transfer pumps and motor; replace operator and valve; rebuild pump, motor rewind, and replace bearings; replace and relocate boiler and hot water loops; and recondition old lab space.

PROJECT LOCATION



SCHEDULE & STATUS

This project is part of the District's regularly scheduled 10-year asset management program.

Due to the nature of this project, traditional planning, design, and construction phases are not applicable.

Phase	Cost
Plan	n/a
Design	n/a
Construct	27,552
Closeout	n/a
	27,552

FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Small Capital Improvements, Water Treatment	n/a	2,129	1,398	2,223	2,397	3,426	2,055	13,924	27,552
with inflation	n/a	2,129	1,398	2,418	2,720	4,054	2,536	19,911	35,166

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Small Capital Improvements, Water Treatment	n/a	2,129	0	1,398	2,418	2,720	4,054	2,536	19,911	35,166

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	35,166
Other Funding Source	0
Total	35,166

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Not Available

Project	**STWTP Incompatible Materials**
Program	Water Supply – Treatment
Priority No.	66
Project No.	93284030
District Contact	Dave Chesterman dchesterman@valleywater.org

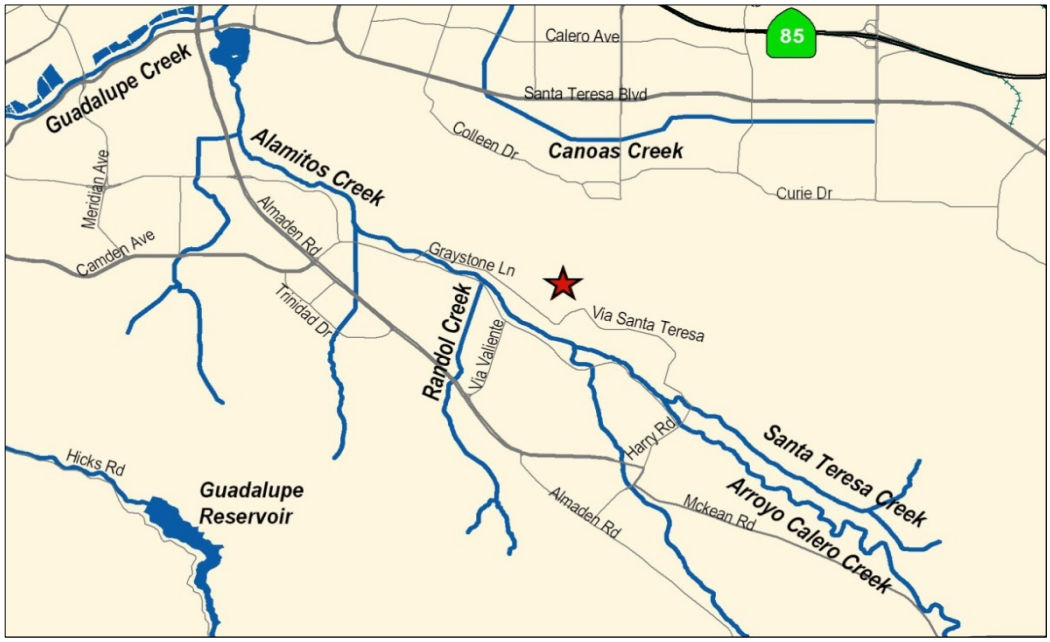


Incompatible chemical piping will be separated at the Santa Teresa Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Santa Teresa Water Treatment Plant (STWTP) to separate incompatible chemicals in the chemical feed area, chemical trenches and storage facilities to meet Hazardous Material (HAZMAT) storage regulations.

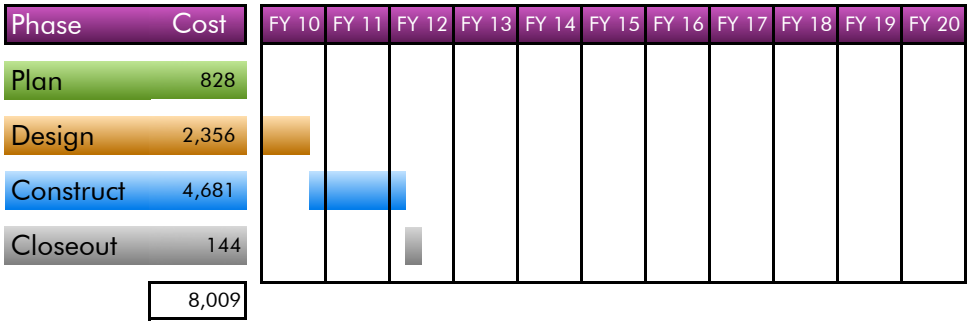
PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to October 2011

Planning Phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
STWTP Incompatible Materials	2,605	4,300	854	250	0	0	0	0	8,009
with inflation	2,605	4,300	854	272	0	0	0	0	8,031

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
STWTP Incompatible Materials	4,146	2,817	58	796	272	0	0	0	0	8,031

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,031
Other Funding Source	0
Total	8,031

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $4,500 per year, beginning in FY 2012. This project primarily replaces existing equipment with similar new equipment and a net increase of four mixers, which will require additional preventive maintenance.

USEFUL LIFE: Mechanical Elements – 35+ Year; Structural Elements – 50+ Years

Project	**Water Protection**
Program	Water Supply – Treatment
Priority No.	55
Project No.	94084005
District Contact	Dave Chesterman dchesterman@valleywater.org



Security inspection of vehicles entering Penitencia Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs security modifications at the District's Water Utility facilities, in response to a security vulnerability assessment completed in 2003, to improve security and reduce terrorist threats to water service reliability.

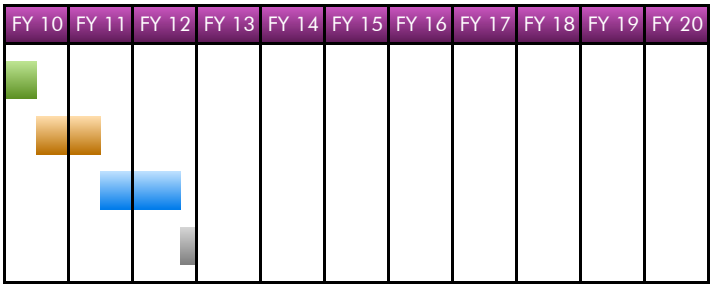
PROJECT LOCATION

This project will construct security improvements at the District's three water treatment plants and other Water Utility facilities. No project map is provided.

SCHEDULE & STATUS

June 2004 to June 2012

Phase	Cost
Plan	1,343
Design	1,034
Construct	5,400
Closeout	100
	7,877



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Water Protection	1,217	1,077	5,283	300	0	0	0	0	7,877
with inflation	1,217	1,077	5,283	326	0	0	0	0	7,903

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Water Protection	4,505	3,094	5,305	0	304	0	0	0	0	7,903

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

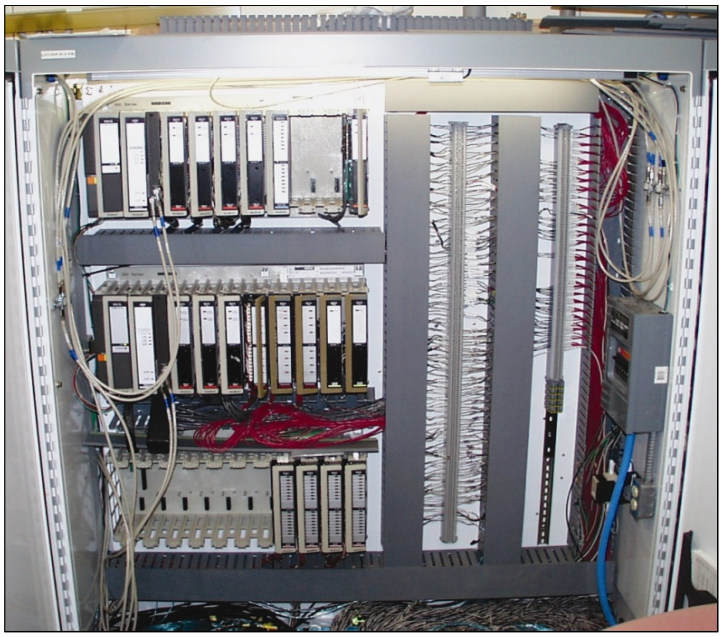
SCVWD Water Utility Enterprise Fund	7,903
Other Funding Source	0
Total	**7,903**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: Not Available

Project	**WTP I/O Cards and Trunk Cables Upgrade**
Program	Water Supply – Treatment
Priority No.	58
Project No.	93084009
District Contact	Dave Chesterman dchesterman@valleywater.org

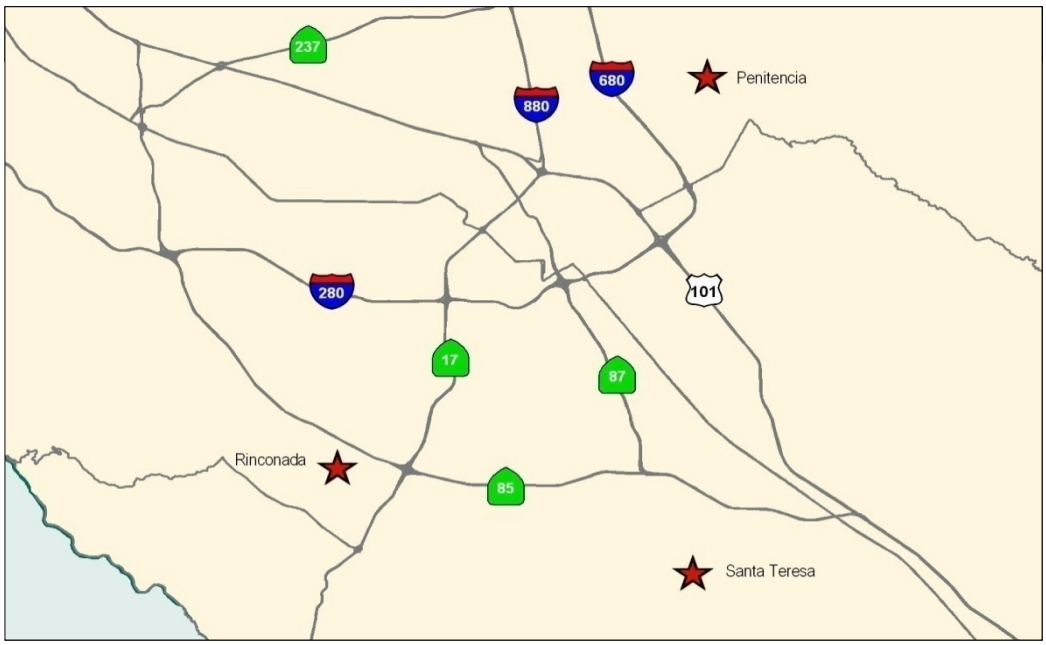


Existing I/O cards will be replaced.

PROJECT DESCRIPTION

This project upgrades the Supervisory Control and Data Acquisition (SCADA) hardware and software and replaces trunk cables at the District's three water treatment plants (WTP) to ensure operational reliability.

PROJECT LOCATION



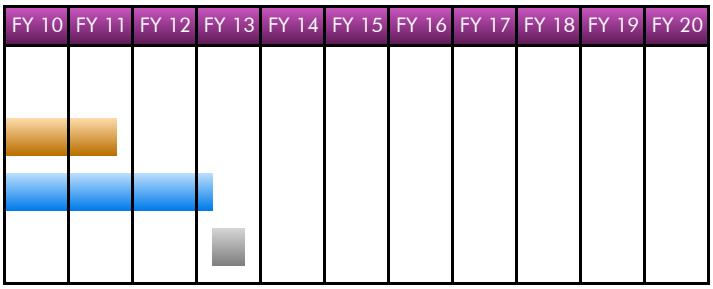
★ Project Location

SCHEDULE & STATUS

July 2003 to March 2013

Planning Phase is complete. Design and Construction Phases overlap due to the phased approach for installation of I/O Modules and then Trunk Cables

Phase	Cost
Plan	191
Design	603
Construct	4,829
Closeout	60
	5,683



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
WTP I/O Cards and Trunk Cables Upgrade	3,473	330	1,460	360	60	0	0	0	5,683
with inflation	3,473	330	1,460	392	68	0	0	0	5,723

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
WTP I/O Cards and Trunk Cables Upgrade	4,331	955	1,483	0	369	68	0	0	0	5,723

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,723
Other Funding Source	0
Total	5,723

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 10+ Years

Project	**Recycled Water South County Masterplan Implementation**
Program	Water Supply – Recycled Water
Priority No.	9
Project No.	91094007s
District Contact	Dave Chesterman dchesterman@valleywater.org



Recycled water purple pipeline waiting to be laid during construction of Immediate Term project.

PROJECT DESCRIPTION

This project plans, designs, and constructs water recycling systems based on the South County Recycled Water Master Plan report that the District and South County Regional Wastewater Authority (SCRWA) Boards accepted in December 2004 to operate and expand the South County Recycled Water System.

The Master Plan report presents a 20-year capital program for expanding water recycling in South County in three phases; Immediate Term, Short Term, and Long Term:

- Gilroy Pipelines (Immediate Term) includes design and construction of recycled water storage, pumping, and distribution facilities for agricultural use near the SCRWA treatment plant (91094007).
- Gilroy Pipelines and Reservoir (Short Term) constructs about 42,000 feet of 16- to 30-inch pipelines from the SCRWA treatment plant along Southside Drive and Luchessa Avenue to the Glen Loma development, and a 3-million-gallon storage reservoir (91094008).
- Gavilan, Hecker Pass, and Morgan Hill Scalping Plant (Long Term) consists of pipeline extensions of the Gilroy Sports Park to serve the Gavilan College area, additional distribution piping in the Hecker Pass area, a Morgan Hill scalping plant and 2-mgd expansion of the booster pump station (91C40219).

The project is funded for the immediate- and short-term phases only. The scope, schedule, costs, and funding sources for the long-term project will be determined pending Board consideration of alternatives for responding to financial constraints.

PROJECT LOCATION

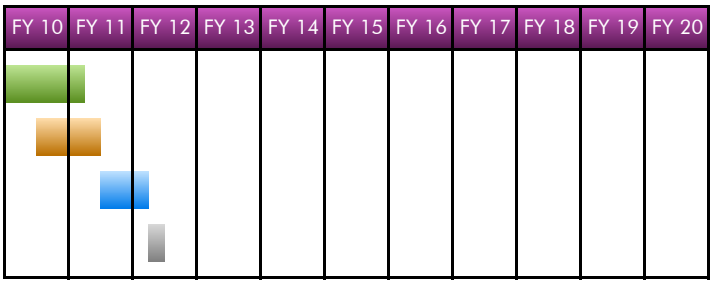
No map is provided.

PROJECT SCHEDULE

July 2005 to December 2011

The display shows the Short-Term project only. The Immediate-Term project is complete. Some planning for both projects was done in a separate project.

Phase	Cost
Plan	500
Design	1,476
Construct	12,034
Closeout	100
	14,110



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Recycled Water South County Masterplan - Immediate Term	3,257	0	0	0	0	0	0	0	3,257
with inflation	3,257	0	0	0	0	0	0	0	3,257
Recycled Water South County Masterplan - Short Term	0	975	9,698	180	0	0	0	0	10,853
with inflation	0	975	9,698	196	0	0	0	0	10,869
TOTAL	**3,257**	**975**	**9,698**	**180**	**0**	**0**	**0**	**0**	**14,110**
with inflation	**3,257**	**975**	**9,698**	**196**	**0**	**0**	**0**	**0**	**14,126**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY09**	**FY10**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Recycled Water South County Masterplan - Immediate Term	3,257	0	0	0	0	0	0	0	0	3,257
Recycled Water South County Masterplan - Short Term	3,775	0	2,800	6,898	196	0	0	0	0	10,869
TOTAL	**7,032**	**0**	**2,800**	**6,898**	**196**	**0**	**0**	**0**	**0**	**14,126**

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	11,730
South County Regional Wastewater Authority	768
United States Bureau of Reclamation (USBR) ARRA	1,628
Total	**14,126**

OPERATING COST IMPACTS

Estimated District share of the operating and maintenance costs are $8,000 per year for the Immediate-Term phase, beginning in FY 2007 and an additional $20,000 for the Short-Term phase, beginning in FY 2013. Increases for Immediate Term are primarily labor costs for operating the new 3mg reservoir and its pump station. Increases for Short Term are labor and materials to maintain the 42,000 feet of new pipeline, exercising valves and cathodic protection.

USEFUL LIFE: Pipelines – 50 Year; Pumps – 20 Years

Project	**South Bay Advanced Recycled Water Treatment Facility**
Program	Water Supply – Recycled Water
Priority No.	40
Project No.	91184008
District Contact	Dave Chesterman dchesterman@valleywater.org



Proposed process structure housing advanced recycled water treatment equipment

PROJECT DESCRIPTION

This project plans, designs, and constructs a 8-mgd (million-gallons-per-day) Recycled Water Advanced Treatment Facility within the footprint of the South Bay Water Recycling's Water Pollution Control Plant (WPCP) in San Jose, to accomplish the following objectives:

- Improve recycled water quality to enhance marketability.
- Increase the operational reliability and flexibility of recycled water.
- Retain existing customers who may have water quality (especially salinity) issues.
- Improve public acceptance of recycled water.
- Maximize water recycling alternatives.
- Reduce fresh water effluent discharges into San Francisco Bay to protect endangered species.
- Increase tertiary treatment capacity for the water pollution control plant.
- Preserve options for future groundwater recharge and reuse.

PROJECT LOCATION

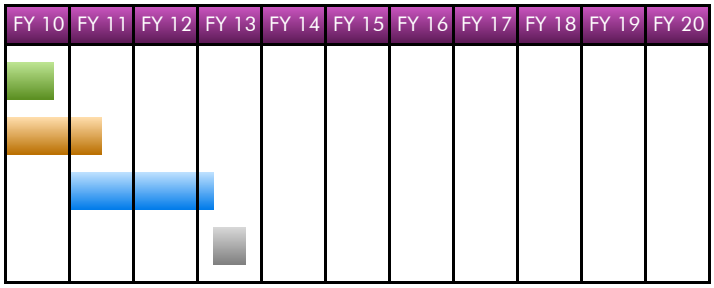


SCHEDULE & STATUS

January 2004 to March 2013

Construction in FY 2011 begins with 6 months of early earth work.

Phase	Cost
Plan	1,575
Design	3,924
Construct	46,781
Closeout	80
	52,360



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
South Bay Advanced Recycled Water Treatment Facility	3,869	2,420	38,041	7,950	80	0	0	0	52,360
with inflation	3,869	2,420	38,041	8,605	91	0	0	0	53,026

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
South Bay Advanced Recycled Water Treatment Facility	35,566	0	29,277	8,764	8,605	91	0	0	0	53,026

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	25,836
City of San Jose	11,000
California Department of Water Resources	2,940
United States Bureau of Reclamation (USBR) ARRA	8,250
USBR Federal Allocation	5,000
Total	**53,026**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase the District's operating costs by approximately $1.75 million per year, beginning in FY 2013. The City of San Jose will also be responsible for contributing the same amount to cover total annual operations costs of approximately $3.5 million. Total cost includes labor, membranes replacement, energy, UV lamp replacement, chemicals, and other necessary items.

USEFUL LIFE: 20-30 Years

Project	**Water Efficient Demonstration Garden**
Program	Water Supply – Recycled Water
Priority No.	8
Project No.	91154006
District Contact	Keith Whitman kwhitman@valleywater.org



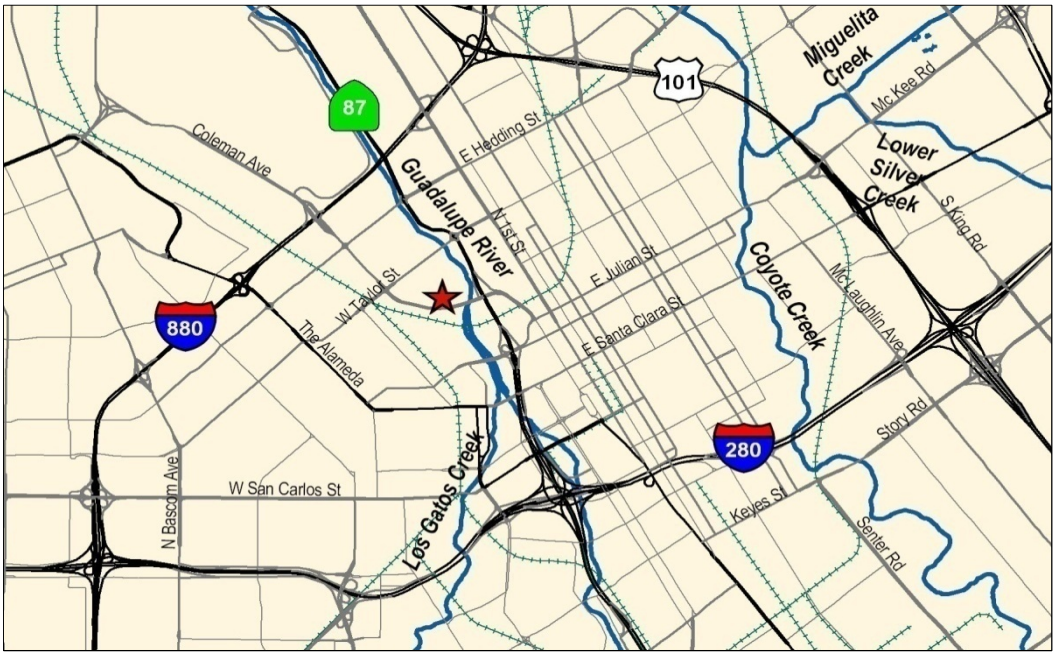
Proposed site for the District's Water Efficient Demonstration Garden, within Guadalupe Gardens in San Jose

PROJECT DESCRIPTION

This project designs and constructs improvements to approximately 1 acre of the Guadalupe Gardens, located at the northern portion of the site, extending from Seymour Street to Hobson Street, near Coleman Avenue, to accomplish the following:

- Design and develop a demonstration garden that promotes water use efficiency in landscaping.
- Create an educational resource, test facility, and learning center that provide environmentally sound and cost-effective landscaping alternatives.
- Educate the general public on the use of water wise plants, while promoting efficient irrigation technologies and recycled water.

PROJECT LOCATION

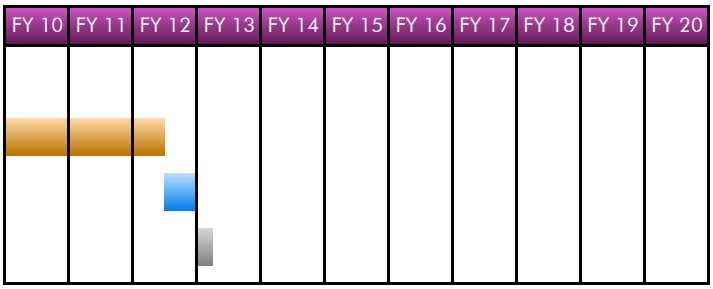


SCHEDULE & STATUS

July 2008 to September 2012

Planning phase was done in a separate project. This project was postponed indefinately by Board action due to funding constraints and will be reviewed in 2 years.

Phase	Cost
Plan	-
Design	287
Construct	1,634
Closeout	52
	1,973



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Water Efficient Demonstration Garden	287	0	0	1,634	52	0	0	0	1,973
with inflation	287	0	0	1,768	59	0	0	0	2,114

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Water Efficient Demonstration Garden	1,969	0	1,682	0	86	59	0	0	0	2,114

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,968
Department of Water Resources	146
Total	**2,114**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year, beginning in FY 2013. Increases are for ongoing maintenance of the garden.

USEFUL LIFE: 50+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS

FLOOD PROTECTION OVERVIEW

The District manages approximately 800 miles of creeks in Santa Clara County to meet the Board's Ends Policy E–3, "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations." The district's goals are further defined in E-3.1, "Natural flood protection for residents, businesses, and visitors" and E-3.2, "Reduced potential for flood damages." The 800 miles of creeks are located in five watersheds; Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/ Llagas. The District administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Fifty years of working for flood protection has significantly reduced the intensity and frequency of flooding in Santa Clara County. The voters in Santa Clara County have supported the District's flood protection efforts by approving benefit assessment funding in 1982, 1986, and 1990.

In 2000, voters approved a special tax to fund the continuation of the District's flood protection capital improvements, specifically, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

Analysis conducted at that time, identified nine capital projects that would be funded by the special tax. Current analysis indicates that project cost increases will result in a $3.5 million revenue shortfall. Staff is working to address the Clean Safe Creeks revenue shortfall.

Lower Peninsula Watershed

Major Capital Improvements Completed

- Adobe Creek from Highway101 to Edith Avenue
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek
- Palo Alto Flood Basin
- Stevens Creek from Highway 101 to Homestead Road

Major Capital Improvements Identified in the CIP

- Permanente Creek from S.F. Bay to Foothill Expressway (Clean Safe Creeks project)
- San Francisquito Creek from S.F. Bay to Searsville Dam (Clean Safe Creeks project)

West Valley Watershed

Major Capital Improvements Completed

- Calabazas Creek from Guadalupe Slough to Miller Avenue
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP

- Calabazas Creek continuing upstream from completed work at Miller Avenue to Wardell Road (Clean Safe Creeks project)
- Sunnyvale East Channel from Guadalupe Slough to Interstate 280 (Clean Safe Creeks project)
- Sunnyvale West Channel from Guadalupe Slough to Highway 101 (Clean Safe Creeks project)

Guadalupe Watershed

Major Capital Improvements Completed

- Alamitos Creek
- Guadalupe River–Lower from Alviso Marina to Interstate 880
- Guadalupe River–Downtown from Interstate 880 to Interstate 280

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper continuing from completed work at Interstate 280 to Blossom Hill Road (Clean Safe Creeks project)

Coyote Watershed

Major Capital Improvements Completed

- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Interstate 680 (Reaches 1-3)
- Wrigley Ford Creek

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Major Capital Improvements Identified in the CIP

- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard
- Berryessa Creek from Calaveras Boulevard to Old Piedmont Road (Clean Safe Creeks project)
- Coyote Creek continuing upstream from completed work at Montague Expressway to Interstate 280 (Clean Safe Creeks project)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive
- Lower Silver Creek from Interstate 680 to Lake Cunningham (Reaches 4-6)

Uvas/Llagas Watershed

Major Capital Improvements Completed

- Llagas Creek–Lower from Pajaro River to Buena Vista Road
- Uvas Creek

Major Capital Improvements Identified in the CIP

- Llagas Creek–Upper continuing upstream from completed work at Buena Vista Road to Wright Avenue (Clean Safe Creeks project)
- Llagas Creek Capacity Restoration Highway 152 to Pajaro River

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new flood protection projects proposed to be added to the Fiscal Year 2010-11 CIP reflect the Board's priorities. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for flood protection capital improvements was conducted to determine if there are limitations to funding all of the projects in the approved Fiscal Year 2009-10 CIP and the high priority new capital projects.

- Watershed and Stream Stewardship Fund
- Clean Safe Creeks Fund

For the past several years the District has made a concerted effort to reduce the watershed operations costs and believe that these reductions can be sustained over the next 5-10 years. With property tax revenues expected to begin increasing by 3.6% per year in a few years, the Watershed reserves will start building up. This will make $105 million available for projects. On Janaury 12, 2010 the Board approved distributing these funds to the following projects:

Additional Funding Proposed for Capital Projects in FY 2010/11 CIP

Newly-Proposed Projects

- Lower Penitencia Creek, Berryessa to Coyote Creek ($6.9 million in FY11 - FY15)
- Regnart Creek Stream Stabilization, Bubb to Stelling Roads ($2.5 million in FY12 - FY14)

Funded CIP Projects

- Lower Silver Creek, Interstate 680 to Cunningham (Reach 4-6) ($30 million in FY11 - FY12 & FY14)
- Llagas Creek-Upper, Buena Vista Road to Wright Avenue ($12 million in FY11 & FY13 - FY15)
- Llagas Creek-Lower, Capacity Restoration, Highway 152 to Pajaro River ($8 million in FY11 - FY15)
- Upper Penitencia Creek, Coyote Creek to Dorel Drive ($31 million in FY11 - FY12 & FY17 - FY19)

Unfunded CIP Projects

- Lake Cunningham Improvements ($9 million in FY12 - FY14)
- San Francisco Bay Shoreline - Early Implementation ($8 million in FY20)

The watersheds have benefited from ARRA Federal stimulus money, USACE earmarked funds to construct the last two bridges and complete the downtown portion of the Guadalupe River Project. The District will also receive $18 million from NRCS to help construct Lower Silver Creek, from I-680 to Lake Cunningham (Reaches 4-6).

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Results of the prioritization process and financial analysis are summarized in Appendix B. The process concluded the following high priority flood protection projects, unfunded or partially funded, are of major concern to meet the Board's Ends Policy E–3, "There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations."

Watershed and Stream Stewardship Fund

- Thompson Creek Stream Stabilization from Quimby Road to Aborn Road (partially funded - coordination with Corps of Engineers only)
- San Francisco Bay Shoreline Project (partially funded - planning phase only)
- Permanente Creek, San Francisco Bay to El Camino Real
- Coyote Creek, Montague Expressway to Interstate 280 (construction)

Clean, Safe Creeks and Natural Flood Protection Fund

- Sunnyvale East and West Channels, Guadalupe Slough to Highway 101
- Upper Llagas Creek, Buena Vista Road to Wright Avenue

FLOOD PROTECTION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for flood protection capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2009-10.

Flood Protection Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
	LOWER PENINSULA WATERSHED										
10104001s	Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	24,526	135	4	138	270	-	-	-	-	25,069
10244001s	Permanente Creek, San Francisco Bay to Foothill Expressway	14,731	4,849	399	13,867	21,644	658	178	185	129	56,241
10284007s	San Francisquito Creek, San Francisco Bay through Searsville Dam	4,041	1,968	1,700	441	2,331	5,412	3,399	1,090	1,137	19,819
	WEST VALEY WATERSHED										
20104015	Calabazas Creek, Bollinger Bridge	6,556	100	-	42	-	-	-	-	-	6,698
26104001	Calabazas Creek, Miller Avenue to Wardell Road	7,181	9,108	12	1,193	580	575	178	-	-	18,815
20194005	San Tomas Creek, Quito Road Bridges Replacement	500	13	221	-	22	23	-	-	-	558
26074002	Sunnyvale East and West Channels	5,957	991	1,595	1,066	5,167	5,389	55,221	57,445	64	131,300
	GUADALUPE WATERSHED										
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	104,704	371	1,831	471	-	-	-	-	-	105,546
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	86,746	478	1,781	8,391	15,479	6,207	4,947	2,583	-	124,831
	COYOTE WATERSHED										
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	10,947	636	208	335	7,599	287	300	312	232	20,648
40174004	Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	27,919	914	141	7,883	462	1,918	284	296	13,258	52,934
26174043	Coyote Creek, Montague Expressway to Interstate 280	9,513	1,332	142	1,033	8,489	4,809	7,408	3,456	431	36,471
40264011	Lake Cunningham Improvements	101	-	-	-	1,632	1,702	5,860	-	-	9,295
40334005	Lower Penitencia Creek, Berryessa to Coyote Creeks.	-	-	-	156	490	227	5,968	12	-	6,853
40264007s	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	8,461	26,621	1,464	5,189	435	-	24,628	-	-	65,334
40324003s	Upper Penitencia Creek, Coyote Creek to Dorel Drive	15,004	-	510	929	1,946	-	-	-	28,260	46,139
	UVAS LLAGAS WATERSHED										
50284010	Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River	485	856	5	857	2,374	766	2,724	247	-	8,309
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	11,884	14,330	1,357	208	1,087	5,985	6,035	154	257	39,940
	MULTIPLE WATERSHEDS										
00044026s	San Francisco Bay Shoreline - Planning	11,373	60	783	236	-	243	-	-	7,618	19,530
	TOTAL	350,629	62,762	12,153	42,435	70,007	34,201	117,130	65,780	51,386	794,330

The following table shows funding requirements from each funding source for flood protection capital improvements.

Flood Protection – Funding Sources ($K)

FUNDING SOURCES	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
Watershed Stream Stewardship Fund	216,447	35,582	6,959	16,342	9,003	5,526	39,464	555	49,136	372,055
Clean, Safe Creeks and Natural Flood Protection Fund	134,182	27,180	5,194	26,093	61,004	28,675	77,666	65,225	2,250	422,275
TOTAL	350,629	62,762	12,153	42,435	70,007	34,201	117,130	65,780	51,386	794,330

FY 2009-10 Funds to be reappropriated

Project	**Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	30
Project No.	10104001s
District Contact	Katherine Oven koven@valleywater.org



Adobe Creek, approximately 1,000 feet upstream of El Camino Real. Invert stabilization structure constructed in 2005.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along Adobe Creek, El Camino Real to Rhus Ridge, to accomplish the following objectives:

- Provide protection against flooding and erosion.
- Improve sediment transport.
- Protect and enhance the creek ecosystem.
- Provide for fish passage.

This project is accounted for in the following job numbers:

- 10104001—Planning Study, from El Camino Real to Rhus Ridge (completed)
- 10104009—Reach 1-4, from El Camino Real to Foothill Expressway (completed)
- 10104005—Reach 5 from Foothill Expressway to West Edith (completed)
- 10104011—Upper Reach 5 Restoration
- 10104008—Reach 7–9 from Burke Road to Interstate 280 (planning/design complete - no construction)
- 10104007—Reach 11–13 from Foothill College to Rhus Ridge (cancelled)

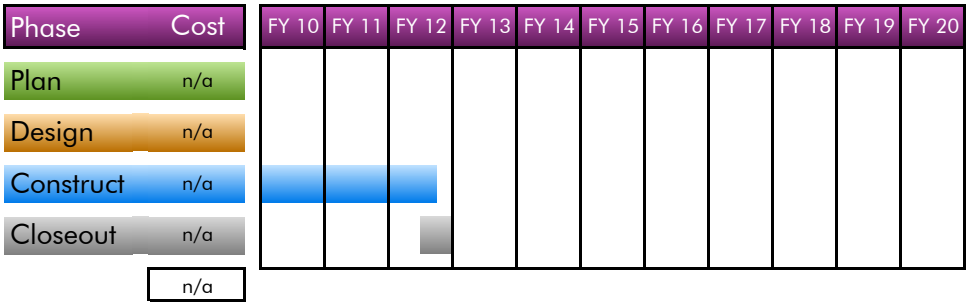
PROJECT LOCATION



PROJECT SCHEDULE

July 1991 to April 2012

Planning and design phases are complete. Construction includes 3 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Adobe Ck, Planning, El Camino to Rhus Ridge	3,199	0	0	0	0	0	0	0	3,199
with inflation	3,199	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino to Foothill Expwy (R1-4)	9,742	0	0	0	0	0	0	0	9,742
with inflation	9,742	0	0	0	0	0	0	0	9,742
Adobe Ck, Foothill Expwy to W. Edith (R5)	3,111	0	0	0	0	0	0	0	3,111
with inflation	3,111	0	0	0	0	0	0	0	3,111
Adobe Ck, Upper Reach 5 Restoration	7,042	135	142	248	0	0	0	0	7,567
with inflation	7,042	135	142	270	0	0	0	0	7,589
Adobe Ck, Burke Road to I-280 (R7-9)	1,296	0	0	0	0	0	0	0	1,296
with inflation	1,296	0	0	0	0	0	0	0	1,296
Adobe Ck, Foothill College to Rhus Ridge (R11-13)	132	0	0	0	0	0	0	0	132
with inflation	132	0	0	0	0	0	0	0	132
TOTAL	**24,522**	**135**	**142**	**248**	**0**	**0**	**0**	**0**	**25,047**
with inflation	**24,522**	**135**	**142**	**270**	**0**	**0**	**0**	**0**	**25,069**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Adobe Ck, Planning, El Camino to Rhus Ridge	3,199	0	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino to Foothill Expwy (R1-4)	9,742	0	0	0	0	0	0	0	0	9,742
Adobe Ck, Foothill Expwy to W. Edith (R5)	3,111	0	0	0	0	0	0	0	0	3,111
Adobe Ck, Upper Reach 5 Restoration	7,046	135	4	138	270	0	0	0	0	7,589
Adobe Ck, Burke Road to I-280 (R7-9)	1,296	0	0	0	0	0	0	0	0	1,296
Adobe Ck, Foothill College to Rhus Ridge (R11-13)	132	0	0	0	0	0	0	0	0	132
TOTAL	**24,526**	**135**	**4**	**138**	**270**	**0**	**0**	**0**	**0**	**25,069**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	25,007
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	62
Total	**25,069**

OPERATING COST IMPACTS

Operating budget impacts from construction of this project are expected to be insignificant. Repair of several erosion sites will reduce maintenance needs, but will not affect overall sediment removal or vegetation control practices.

USEFUL LIFE: 30+ Years

Project	**Permanente Creek, San Francisco Bay to Foothill Expressway**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	99
Project No.	10244001s
District Contact	Katherine Oven koven@valleywater.org



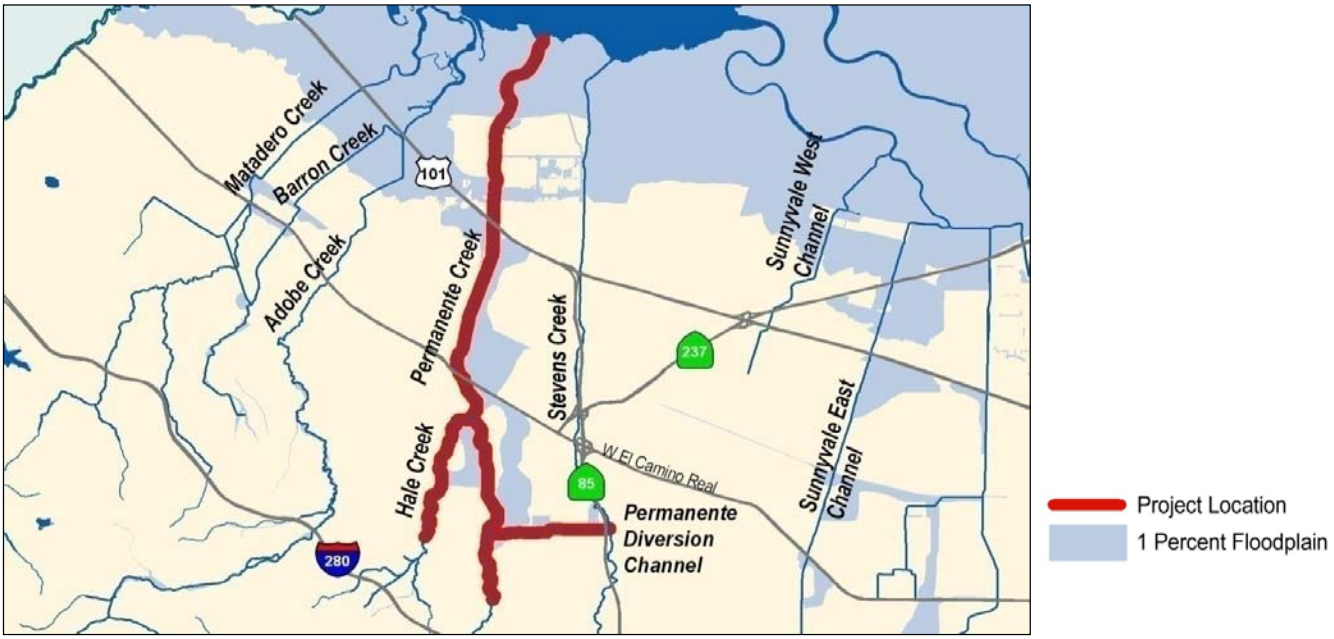
Permanente Creek, looking upstream at the golf course foot bridge

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, Hale Creek from Foothill Expressway to its confluence with Permanente Creek, and the diversion structure between Permanente and Stevens Creeks, to accomplish the following objectives:

- Provide flood protection to 1,664 parcels, including Middlefield Road and Central Expressway.
- Reduce erosion and sedimentation, reduce maintenance costs, and improve safety and stability of the failing channel on Permanente Creek from the San Francisco Bay to Foothill Expressway.
- Provide environmental restoration and enhancement benefits, where opportunities exist.
- Provide recreation enhancements, where opportunities exist.
- Provide natural flood protection by taking a multiple-objective approach.

PROJECT LOCATION

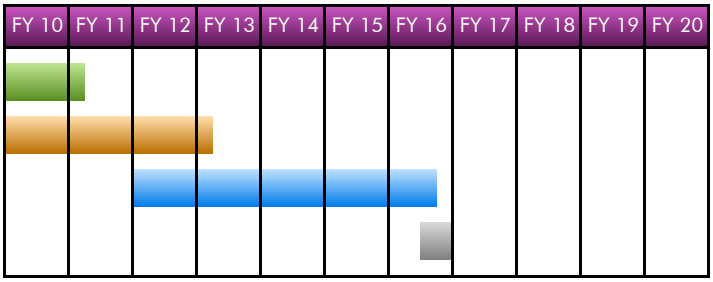


PROJECT SCHEDULE

July 2001 to June 2016

Construction includes two contract phases and three years of plant establishment monitoring.

Phase	Cost
Plan	11,073
Design	11,168
Construct	32,030
Closeout	100
	54,371



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Permanente Creek, Bay to Foothill Expressway – Lower Peninsula Fund	12,721	4,300	150	100	0	0	0	0	17,271
with inflation	12,721	4,300	150	109	0	0	0	0	17,280
Permanente Creek, Bay to Foothill Expressway – Clean, Safe Creeks Fund	198	1,962	13,966	19,994	580	150	150	100	37,100
with inflation	198	1,962	13,966	21,644	658	178	185	129	38,919
TOTAL	12,919	6,262	14,116	20,094	580	150	150	100	54,371
with inflation	12,919	6,262	14,116	21,753	658	178	185	129	56,199

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Permanente Creek, Bay to Foothill Expressway – Lower Peninsula Fund	12,777	4,544	300	0	0	0	0	0	0	17,321
Permanente Creek, Bay to Foothill Expressway – Clean, Safe Creeks Fund	1,954	305	99	13,867	21,644	658	178	185	129	38,919
TOTAL	**14,731**	**4,849**	**399**	**13,867**	**21,644**	**658**	**178**	**185**	**129**	**56,240**

Adjusted Budget includes adopted budget plus any budget adjustments. Approved funding exceeds planned expenditures by $41,000. Unspent funding will be returned to reserves at the end of FY 2012.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	17,321
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	38,919
Total	**56,240**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2016. Increases in operations and maintenance costs include sediment removal at three flood detention sites, and bypass channel inlet and outlet operations and maintenance.

USEFUL LIFE: 30+ Years

Project	**San Francisquito Creek, San Francisco Bay through Searsville Dam**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	82
Project No.	10284007s
District Contact	Katherine Oven koven@valleywater.org



San Francisquito Creek, looking downstream from the Waverly Street Bicycle Bridge between Middlefield Road and El Camino.

PROJECT DESCRIPTION

This project provides coordination and support to the San Francisquito Joint Powers Authority, in partnership with the U.S. Army Corps of Engineers, to complete planning and design documents for an approved project alternative on San Francisquito Creek, from San Francisco Bay through Searsville Dam, to accomplish the following objectives:

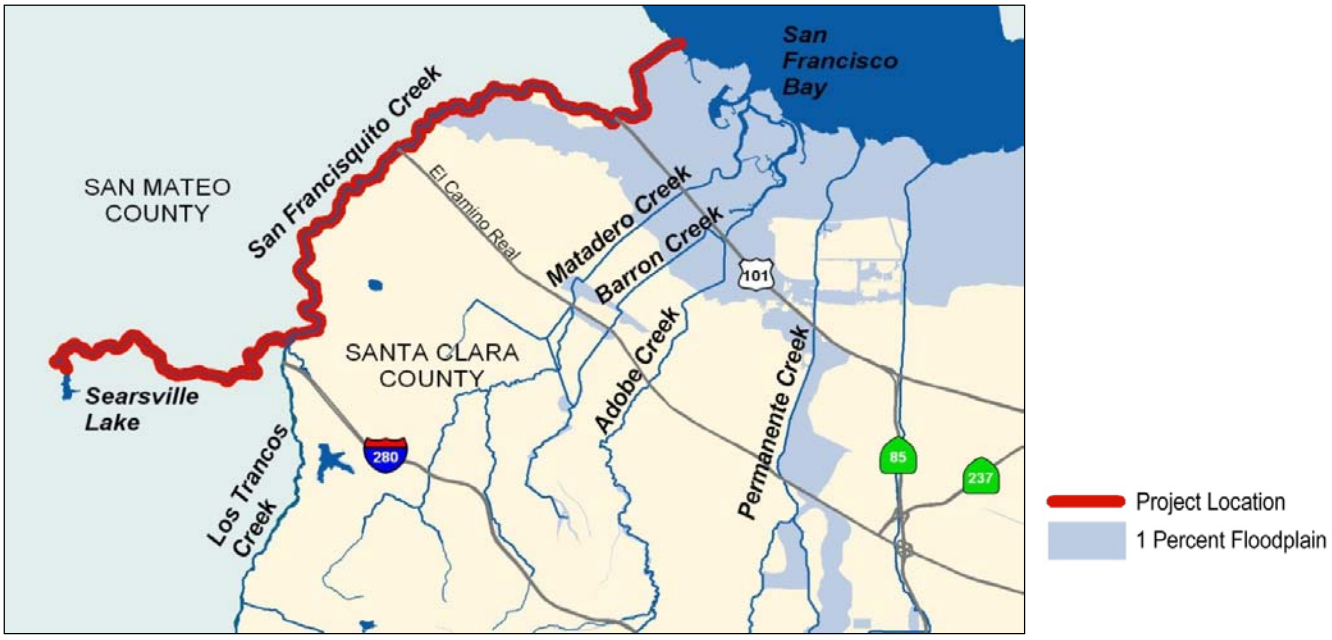
- Provide flood protection.
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible.
- Develop public support for the preferred alternative.

This project is primarily funded only through the planning and design phases, with the exception of a small construction project . The scope, schedule, costs, and funding sources of the small construction project will be determined upon the completion of its planning phase.

This project is accounted for in the following job numbers:

- 10284007 – San Francisquito Creek, San Francisco Bay through Searsville Dam, Lower Peninsula
- 10284008 – San Francisquito Creek, San Francisco Bay through Searsville Dam, Corps 104
- 26C40179 – San Francisquito Creek, San Francisco Bay through Searsville Dam, Clean Safe Creeks

PROJECT LOCATION

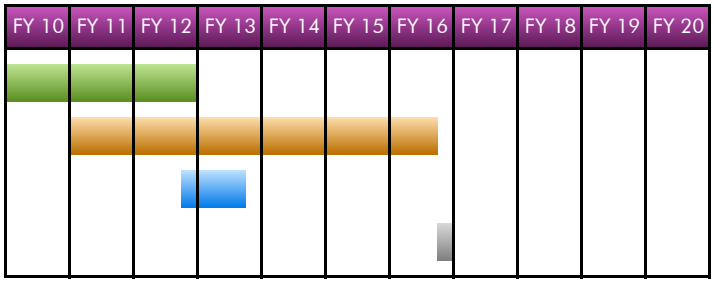


PROJECT SCHEDULE

July 2004 to June 2016

Predominantly Planning & Design Phases Only, but a small construction project may be eligible for Corps 104 Reimbursement.

Phase	Cost
Plan	6,413
Design	10,925
Construct	563
Closeout	100
	18,001



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
San Francisquito Creek, San Francisco Bay through Searsville Dam - Lower Peninsula	2,232	939	1,747	125	0	0	0	0	5,043
with inflation	2,232	939	1,747	136	0	0	0	0	5,054
San Francisquito Creek, San Francisco Bay through Searsville Dam - Corps 104	0	1,138	394	1,136	570	0	0	0	3,238
with inflation	0	1,138	394	1,236	647	0	0	0	3,415
San Francisquito Creek, San Francisco Bay through Searsville Dam - Clean Safe Creeks	0	0	0	882	4,200	2,872	883	883	9,720
with inflation	0	0	0	959	4,765	3,399	1,090	1,137	11,350
TOTAL	**2,232**	**2,077**	**2,141**	**2,143**	**4,770**	**2,872**	**883**	**883**	**18,001**
with inflation	**2,232**	**2,077**	**2,141**	**2,331**	**5,412**	**3,399**	**1,090**	**1,137**	**19,819**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
San Francisquito Creek, San Francisco Bay through Searsville Dam - Lower Peninsula	4,041	830	1,700	47	136	0	0	0	0	5,054
San Francisquito Creek, San Francisco Bay through Searsville Dam - Corps 104	0	1,138	0	394	1,236	647	0	0	0	3,415
San Francisquito Creek, San Francisco Bay through Searsville Dam - Clean Safe Creeks	0	0	0	0	959	4,765	3,399	1,090	1,137	11,350
TOTAL	**4,041**	**1,968**	**1,700**	**441**	**2,331**	**5,412**	**3,399**	**1,090**	**1,137**	**19,819**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	8,469
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	11,350
Total	**19,819**
Federal Partner–Corps of Engineers	3,000
County Partner–County of San Mateo	1,500

County and Corps participation are for Feasibility Study activities only. Additional funding will be negotiated during subsequent phases.

OPERATING COST IMPACTS

Predominantly Planning and Design Phases only, so no operating budget impacts are expected from those phases; however, operating budget impacts for the small construction project will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**Calabazas Creek, Bollinger Bridge**
Program	Flood Protection – West Valley Watershed
Priority No.	42
Project No.	20104015
District Contact	Chris Elias celias@valleywater.org



Calabazas Creek at Bollinger Bridge, looking upstream. Road narrows at the bridge. Project will improve pedestrian and bicycle safety.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Bollinger Bridge at Calabazas Creek, to accomplish the following objectives:

- Provide one-percent flood protection to adjacent residential properties and streets.
- Restore vegetation and habitat.
- Improve traffic and pedestrian capacity.
- Remove failing abandoned bridge structure.

PROJECT LOCATION

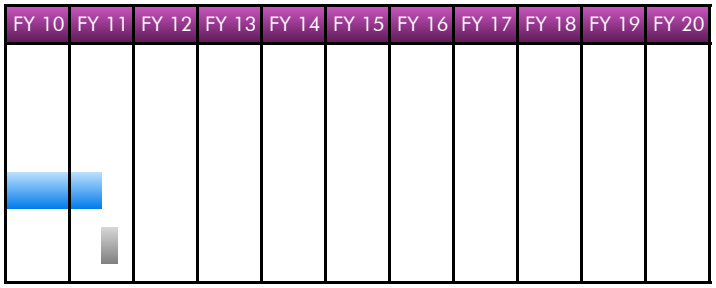


SCHEDULE & STATUS

August 1999 to February 2011.

Planning phase is complete.
Design Phase is complete.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	0



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Calabazas Creek, Bollinger Bridge	6,581	75	42	0	0	0	0	0	6,698
with inflation	6,581	75	42	0	0	0	0	0	6,698

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Calabazas Creek, Bollinger Bridge	6,556	100	0	42	0	0	0	0	0	6,698

Adjusted Budget includes adopted budget plus a planned budget adjustment of $100,000.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	6,698
Other Funding Source	0
Total	6,698

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs. The project is within District jurisdiction and it is designed to minimize maintenance activities such as sediment removal, so as to have minimal or no additional impact to the operating budget.

USEFUL LIFE: 30+ Years

Project	**Calabazas Creek, Miller Avenue to Wardell Road**
Program	Flood Protection – West Valley Watershed
Priority No.	47
Project No.	26104001s
District Contact	Katherine Oven koven@valleywater.org



Calabazas Creek overtops its banks in February 1986 near Miller Avenue, flooding neighborhood streets.

PROJECT DESCRIPTION

This project plans, design, and constructs improvements along 3.3 miles of Calabazas Creek from Miller Avenue to Wardell Road to accomplish the following objectives:

- Provide one-percent flood protection on Calabazas Creek from Miller Avenue to Wardell Road.
- Reduce erosion, sedimentation, and maintenance costs.
- Provide environmental restoration and enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.

PROJECT LOCATION

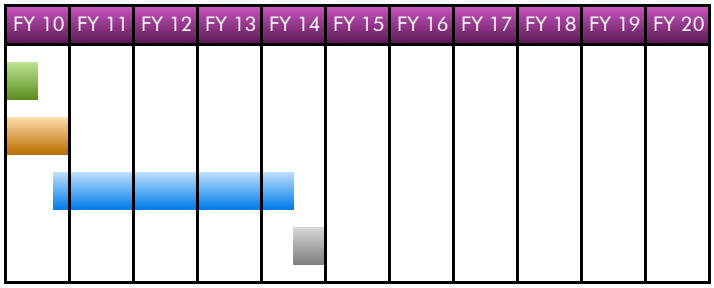


SCHEDULE & STATUS

December 2003 to June 2014

Construction Phase includes 3 years of plant establishment monitoring.

Phase	Cost
Plan	5,418
Design	2,531
Construct	10,628
Closeout	100
	18,677



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Calabazas Creek, Miller Avenue to Wardell Road	7,369	8,908	1,205	535	510	150	0	0	18,677
with inflation	7,369	8,908	1,205	580	575	178	0	0	18,814

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Calabazas Creek, Miller Avenue to Wardell Road	7,181	9,108	12	1,193	580	575	178	0	0	18,814

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	18,814
Other Funding Source	0
Total	**18,814**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease the operating costs. The new channel structure will be very similar to the original structure.

USEFUL LIFE: 30+ Years

Project	**San Tomas Creek, Quito Road Bridges Replacement**
Program	Flood Protection – West Valley Watershed
Priority No.	54
Project No.	20194005
District Contact	Chris Elias celias@valleywater.org

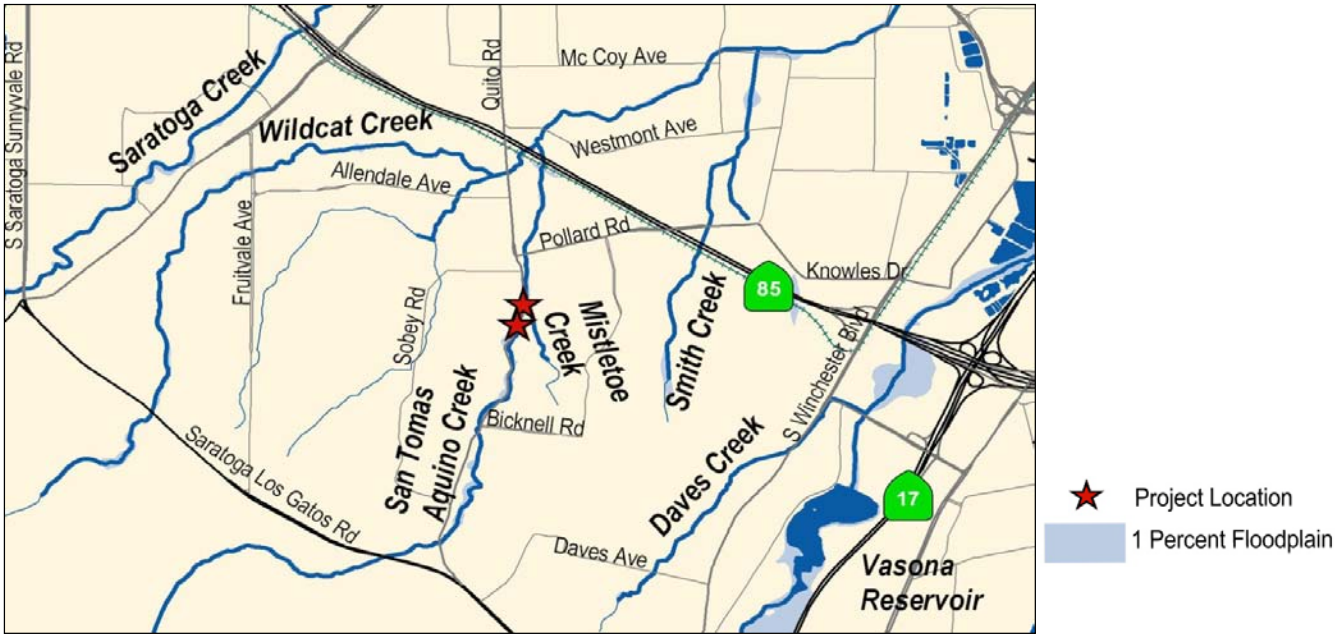


San Tomas Aquino Creek, looking upstream at one of the Quito Road bridge crossings and an adjacent pedestrian footbridge.

PROJECT DESCRIPTION

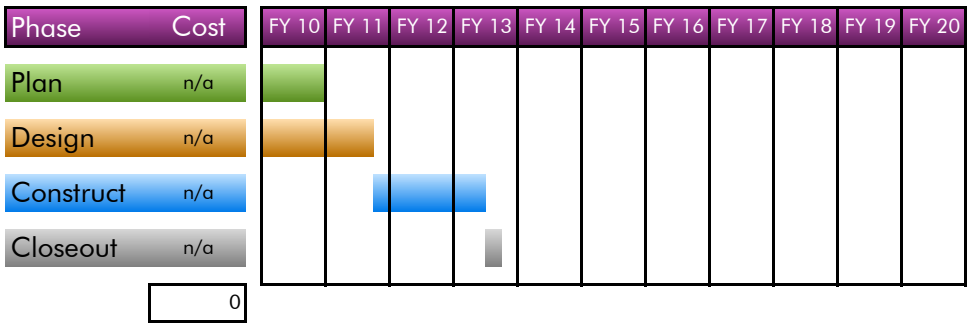
This project partners with the City of Saratoga, the Town of Los Gatos, and Caltrans to plan, design, and construct two bridge replacements on San Tomas Aquino Creek at Quito Road, to provide one-percent flood protection.

PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to March 2013



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
San Tomas Creek, Quito Road Bridges Replacement	292	0	221	20	20	0	0	0	553
with inflation	292	0	221	22	23	0	0	0	557

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
San Tomas Creek, Quito Road Bridges Replacement	500	13	221	0	22	23	0	0	0	557

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	557
Other Funding Source	0
Total	**557**
Local Partner–City of Saratoga–5%	180
Local Partner–Town of Los Gatos–5%	180
State Partner–Highway Bridge Replacement and Rehabilitation Program CALTRANS–85%	3,064

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease District operating costs as the facility is owned by the City of Saratoga.

USEFUL LIFE: 30+ Years

Project	**Sunnyvale East and West Channels Improvement**
Program	Flood Protection – West Valley Watershed
Priority No.	85
Project No.	26074002
District Contact	Katherine Oven koven@valleywater.org



Sunnyvale West Channel looking upstream from Java Drive

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, and 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection to over 1,600 parcels along Sunnyvale East and West Channels.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion, sedimentation, and maintenance costs.
- Protect fish and wildlife habitat.

The Sunnyvale East and Sunnyvale West Channels were originally identified as separate projects. In order to improve efficiency by combining efforts, the planning, design and construction phases for both projects will be performed as a single effort.

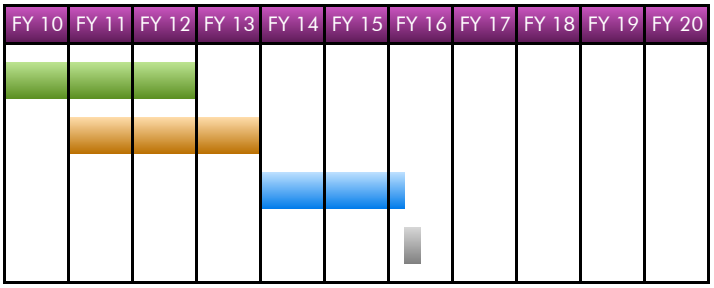
PROJECT LOCATION



SCHEDULE & STATUS

March 2006 to December 2015

Phase	Cost
Plan	6,998
Design	10,516
Construct	94,310
Closeout	50
	111,874



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Sunnyvale East and West Channels Improvement	4,288	1,065	2,661	4,750	4,750	47,155	47,155	50	111,874
with inflation	4,288	1,065	2,661	5,167	5,389	55,221	57,445	64	131,301

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Sunnyvale East and West Channels Improvement	5,957	991	1,595	1,066	5,167	5,389	55,221	57,445	64	131,301

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	131,301
Other Funding Source	0
Total	**131,301**

OPERATING COST IMPACTS

Operating budget impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River—Downtown, Interstate 880 to Interstate 280**
Program	Flood Protection – Guadalupe Watershed
Priority No.	76
Project No.	30154013s
District Contact	Katherine Oven koven@valleywater.org



West bank of the Guadalupe River, looking upstream from the Coleman Bridge, in September 2005

PROJECT DESCRIPTION

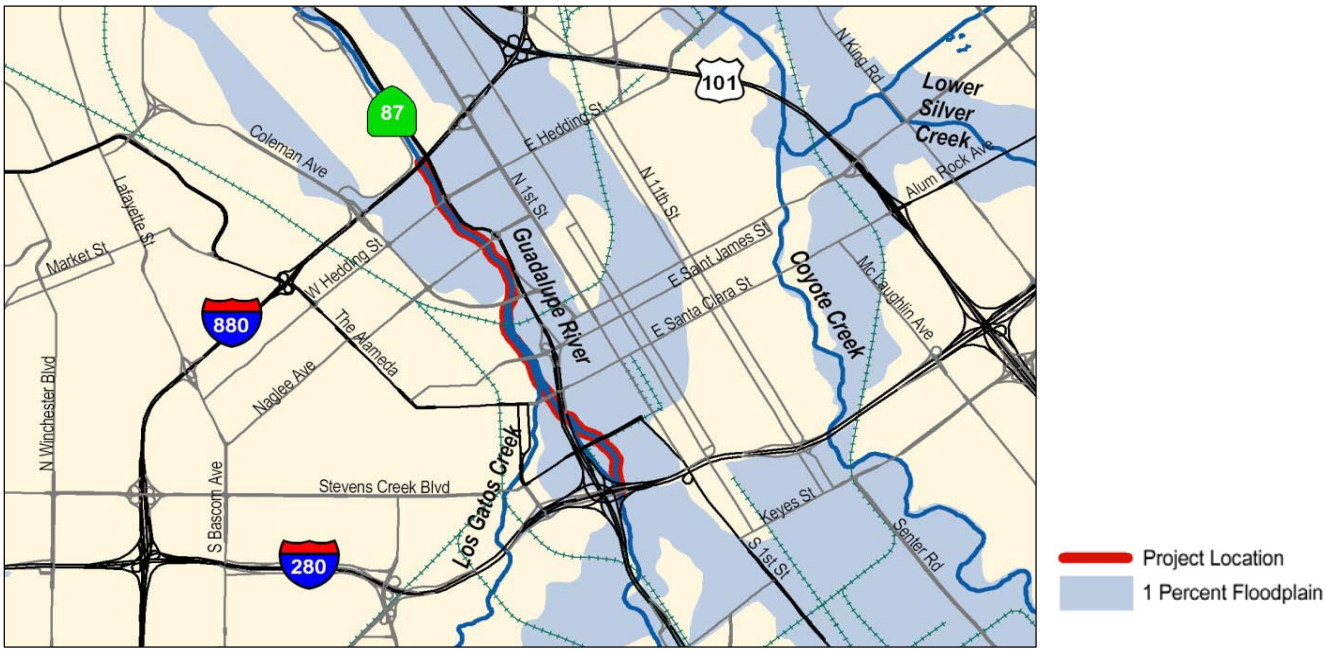
This project partners with the U.S. Army Corps of Engineers (Corps), State of California, City of San Jose, and San Jose Redevelopment Agency to plan, design, and construct improvements along 2.6 miles of the Guadalupe River, from Interstate 880 to Interstate 280, to accomplish the following objectives:

- Provide one-percent flood protection to downtown San Jose's technology and commercial industries and residential neighborhoods.
- Protect and improve water quality of the river.
- Preserve and enhance the river's habitat, fish and wildlife.
- Provide recreational and open space benefits in cooperation with the Corps, City of San Jose, and San Jose Redevelopment Agency.

This project is accounted for in the following job numbers:

- 30154013—Interstate 880 to Heading
- 30154014—Hedding to Coleman
- 30154015—Coleman to Santa Clara
- 30154016—Santa Clara to Park
- 30154017—Woz Way to Interstate 280
- 30154018—Guadalupe River, Escrow

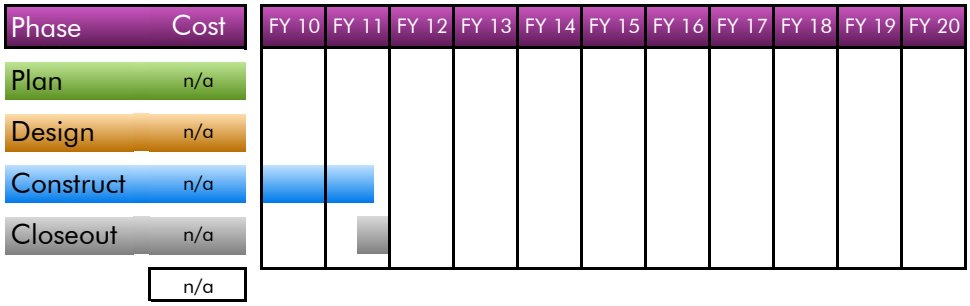
PROJECT LOCATION



PROJECT SCHEDULE

March 1990 to June 2011

Planning, design and most of the planned construction is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Guadalupe Rv—DT, I-880 to Hedding	1,212	47	553	0	0	0	0	0	1,812
with inflation	1,212	47	553	0	0	0	0	0	1,812
Guadalupe Rv—DT, Hedding to Coleman	10,382	34	386	0	0	0	0	0	10,802
with inflation	10,382	34	386	0	0	0	0	0	10,802
Guadalupe Rv—DT, Coleman-W. Santa Clara	27,982	5,725	1,043	0	0	0	0	0	34,750
with inflation	27,982	5,725	1,043	0	0	0	0	0	34,750
Guadalupe Rv—DT, W. Santa Clara to Park	10,402	1,354	0	0	0	0	0	0	11,756
with inflation	10,402	1,354	0	0	0	0	0	0	11,756
Guadalupe Rv—DT, Woz to I-280	8,828	1,264	0	0	0	0	0	0	10,092
with inflation	8,828	1,264	0	0	0	0	0	0	10,092
Guadalupe Rv—DT, Escrow	36,014	0	0	0	0	0	0	0	36,014
with inflation	36,014	0	0	0	0	0	0	0	36,014
TOTAL	**94,820**	**8,424**	**1,982**	**0**	**0**	**0**	**0**	**0**	**105,226**
with inflation	**94,820**	**8,424**	**1,982**	**0**	**0**	**0**	**0**	**0**	**105,226**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Guadalupe Rv—DT, I-880 to Hedding	1,669	144	554	0	0	0	0	0	0	1,813
Guadalupe Rv—DT, Hedding to Coleman	10,680	124	388	0	0	0	0	0	0	10,804
Guadalupe Rv—DT, Coleman-W. Santa Clara	34,279	0	572	471	0	0	0	0	0	34,750
Guadalupe Rv—DT, W. Santa Clara to Park	11,942	0	186	0	0	0	0	0	0	11,942
Guadalupe Rv—DT, Woz to I-280	9,990	103	1	0	0	0	0	0	0	10,093
Guadalupe Rv—DT, Escrow	36,144	0	130	0	0	0	0	0	0	36,144
TOTAL	**104,704**	**371**	**1,831**	**471**	**0**	**0**	**0**	**0**	**0**	**105,546**

Adjusted Budget includes adopted budget plus approved budget adjustments. Total funding is $320,000 more than planned expenditures. Unspent funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	74,341
State of California	29,551
City of San Jose	1,654
City of San Jose Redevelopment Agency	10,208
Corps of Engineers - ARRA	0
Total	**105,546**
Federal Partner–Corps of Engineers	170,500

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $450,000 per year, with approximately $150,000 beginning in FY 2009 and the remaining $300,000 beginning in FY 2012. Increased costs are primarily due to increased channel width and adaptive management and monitoring costs described in the Mitigation and Monitoring Plan.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River–Upper, Interstate 280 to Blossom Hill Road**
Program	Flood Protection – Guadalupe Watershed
Priority No.	79
Project No.	26154001s
District Contact	Katherine Oven koven@valleywater.org



Flooding from Guadalupe River on Willow Street near the Southern Pacific Railroad Bridge

PROJECT DESCRIPTION

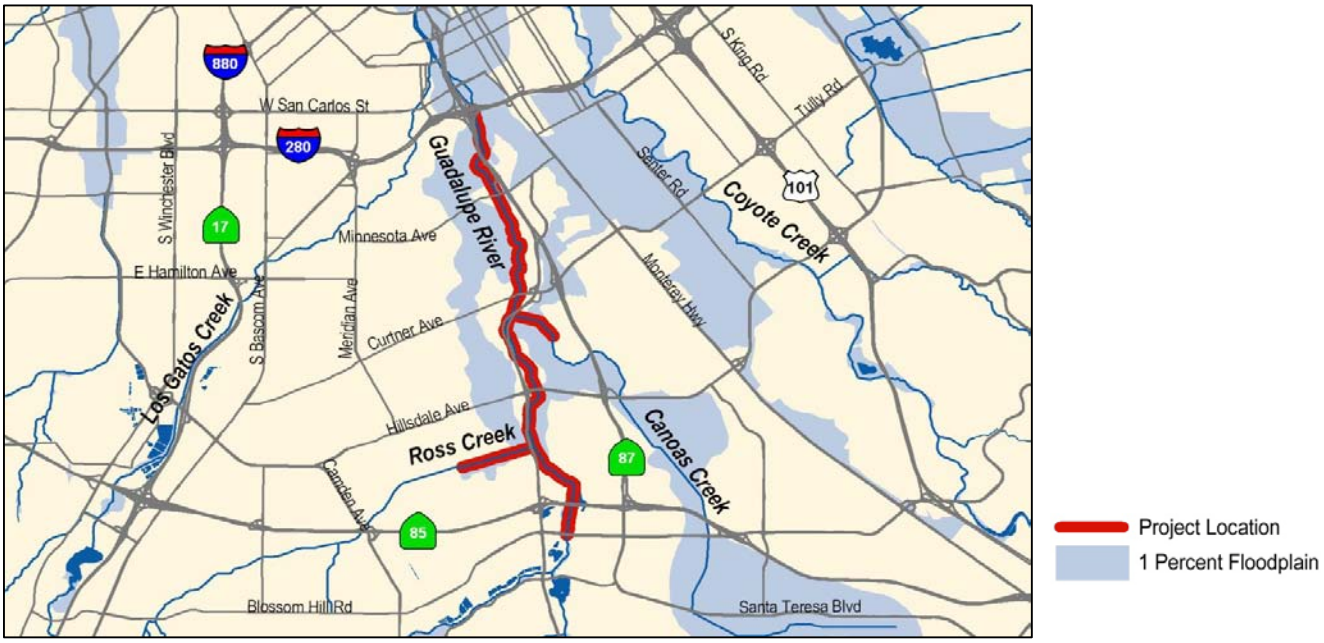
This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 6 miles of the Guadalupe River, from Interstate 280 to Blossom Hill Road, to accomplish the following objectives:

- Provide one-percent flood protection to nearly 7,000 parcels along the Guadalupe River, from I-280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek.
- Provide long-term net gains of 15 acres in riparian forest acreage, quality, and continuity of wildlife habitat, and conditions favoring Chinook salmon and steelhead trout.
- Provide access to an additional 19 miles of suitable upstream spawning and rearing habitat, which would result in significant long-term beneficial impacts on fisheries resources.
- Provide opportunity to incorporate a continuous 6-mile trail by connecting the trail at Interstate 280 to the Alamitos Creek trail.
- Improve water quality by reducing bank erosion and sedimentation-related impacts along the river and tributaries.
- Address and resolve permit coordination activities and watershed integration issues through the Guadalupe Watershed Integration Working Group.

This project is accounted for in the following job numbers:

- 26154001—Fish Passage Modification
- 26154002—I-280 to Southern Pacific Railroad Bridge (Reach 6)
- 26154003—Southern Pacific Railroad Bridge to Blossom Hill Road (Reach 7-12)

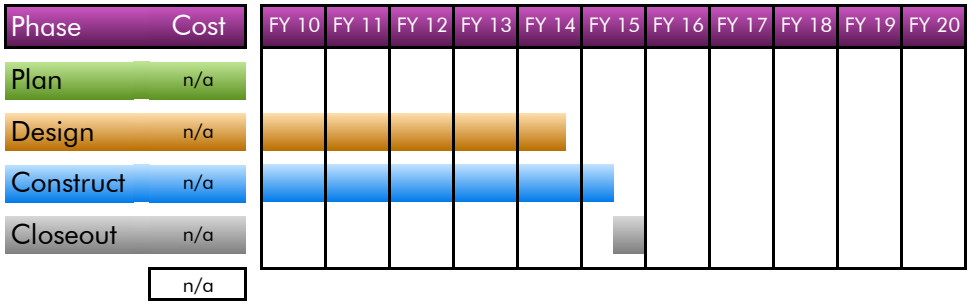
PROJECT LOCATION



PROJECT SCHEDULE

July 2001 to May 2015

Planning phase is complete. Design and construction of eight individual reaches are done sequentially.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Guadalupe Rv—Upper, Fish Passage Mods	2,651	0	0	0	0	0	0	0	2,651
with inflation	2,651	0	0	0	0	0	0	0	2,651
Guadalupe Rv—Upper, I-280 to SPRR (R6)	15,606	21,103	701	996	415	415	0	0	39,236
with inflation	15,606	21,103	701	1,083	471	491	0	0	39,455
Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	24,241	13,717	9,471	13,290	5,081	3,805	2,120	0	71,725
with inflation	24,241	13,717	9,471	14,396	5,736	4,456	2,583	0	74,601
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	7,887
with inflation	7,887	0	0	0	0	0	0	0	7,887
TOTAL	**50,385**	**34,820**	**10,172**	**14,286**	**5,496**	**4,220**	**2,120**	**0**	**121,499**
with inflation	**50,385**	**34,820**	**10,172**	**15,480**	**6,207**	**4,947**	**2,583**	**0**	**124,594**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Guadalupe Rv—Upper, Fish Passage Mods	2,651	0	0	0	0	0	0	0	0	2,651
Guadalupe Rv—Upper, I-280 to SPRR (R6)	36,231	478	0	701	1,083	471	491	0	0	39,455
Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	39,739	0	1,781	7,690	14,396	5,736	4,456	2,583	0	74,601
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	0	7,887
TOTAL	**86,508**	**478**	**1,781**	**8,391**	**15,480**	**6,207**	**4,947**	**2,583**	**0**	**124,594**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by $238,000.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	73,839
State of California	47,024
City of San Jose	3,731
Total	**124,594**
Federal Partner–Corps of Engineers	40,200

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $480,000 per year, beginning in FY 2015, for mitigation and monitoring labor and equipment, implementation of adaptive management measures, and operations and maintenance in accordance with the Corps Operations and Maintenance Manual.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Calaveras Boulevard to Old Piedmont Road**
Program	Flood Protection – Coyote Watershed
Priority No.	49
Project No.	26174041s
District Contact	Katherine Oven koven@valleywater.org



Berryessa Creek near flood stage at Piedmont Road in San Jose.

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.3 miles of Berryessa Creek, from Calaveras Boulevard to Old Piedmont Road, to accomplish the following objectives:

- Provide one-percent flood protection to more than 2,900 homes, businesses, and public buildings.
- Reduce sedimentation and maintenance requirements.
- Mitigate for project impacts.
- Improve stream habitat values.
- Identify opportunities to integrate recreation improvements consistent with the Cities of San Jose's and Milpitas' Trail Master Plans.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection Program Objectives.

This project is accounted for in the following job numbers:

26174041—Coordination with Corps

26174042—Reimbursable work—Lands, Easements, Rights of Way, Relocations and Disposal (LERRDs)

PROJECT LOCATION

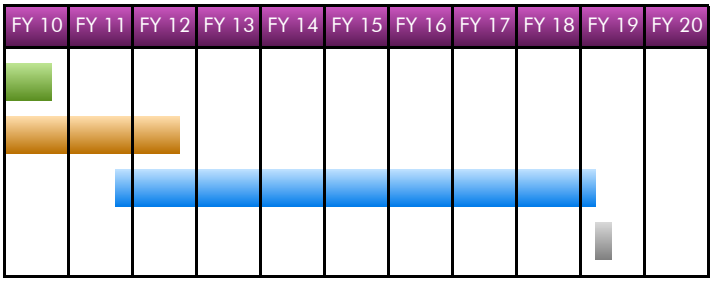


PROJECT SCHEDULE

July 2001 to December 2018

Construction includes two contract phases and three years of plant establishment monitoring.

Phase	Cost
Plan	5,281
Design	6,199
Construct	8,280
Closeout	110
	19,870



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd Corps Coordination	4,983	1,355	289	2,471	90	90	90	95	9,463
with inflation	4,983	1,355	289	2,674	102	107	111	135	9,755
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd LERRDs	586	4,451	254	4,552	163	163	163	75	10,407
with inflation	586	4,451	254	4,925	185	193	201	97	10,892
TOTAL	**5,569**	**5,806**	**543**	**7,023**	**253**	**805**	**818**	**572**	**19,870**
with inflation	**5,569**	**5,806**	**543**	**7,599**	**287**	**299**	**312**	**232**	**20,647**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd Corps Coordination	6,191	221	74	215	2,674	102	107	111	135	9,755
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd LERRDs	4,756	415	134	120	4,925	185	193	201	97	10,892
TOTAL	**10,947**	**636**	**208**	**335**	**7,599**	**287**	**299**	**312**	**232**	**20,647**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	15,805
State of California	4,842
Total	**20,647**
Federal Partner–Corps of Engineers	19,000

OPERATING COST IMPACTS

Estimated operating impacts will be available upon completion of the planning phase.

USEFUL LIFE: 30+ Years

Project	**Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard**
Program	Flood Protection – Coyote Watershed
Priority No.	91
Project No.	40174004
District Contact	Katherine Oven koven@valleywater.org



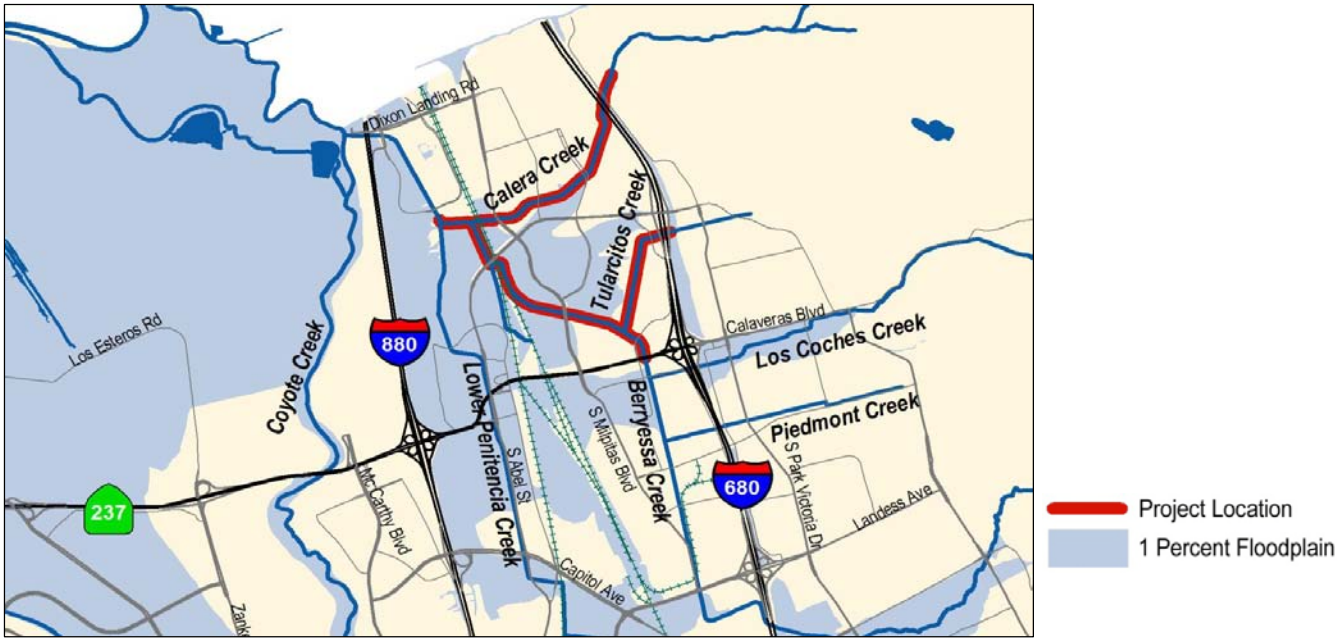
Berryessa Creek upstream of the confluence with Lower Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 3 miles of Berryessa Creek and its tributaries, from the confluence with Lower Penitencia Creek to Calaveras Boulevard and the lower reaches of both Calera and Tularcitos Creeks, to accomplish the following objectives:

- Provide one-percent flood protection to the surrounding area.
- Improve the structural integrity of the levees.
- Improve maintenance access and safety for District staff.
- Identify opportunities to integrate recreation inputs consistent with the City of Milpitas' Trail Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

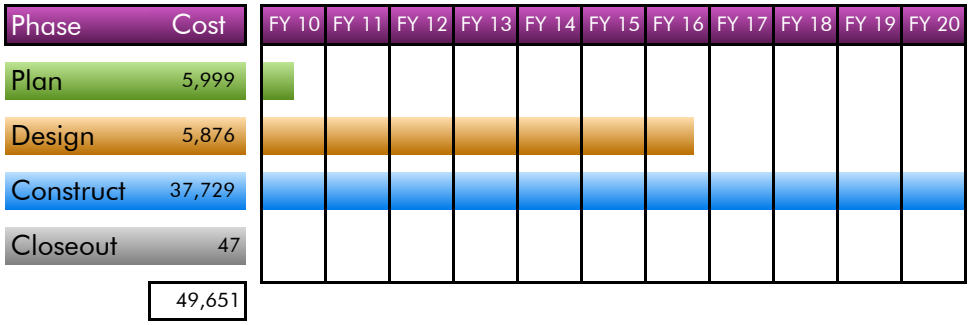
PROJECT LOCATION



SCHEDULE & STATUS

March 2001 to June 2021

Construction includes five phases and three years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	14,132	14,560	8,024	425	1,700	240	240	10,330	49,651
with inflation	14,132	14,560	8,024	462	1,918	284	296	13,257	52,933

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	27,919	914	141	7,883	462	1,918	284	296	13,257	52,933

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	52,933
Other Funding Source	0
Total	**52,933**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $100,000 per year. Operating costs will increase with completion of construction of each of 5 phases: beginning with a $50,000 increase in FY 2011 (with completion of Phases 1 & 2), increasing to $65,000 in FY 2012 (Phase 3), increasing to $80,000 in FY 2014 (Phase 4), and finally increasing by a total of $100,000 in FY 2017 (Phase 5). These costs will be for increased maintenance activities such as sediment removal, vegetation management, levee maintenance, graffiti abatement, and trash & debris cleanup.

USEFUL LIFE: 30+ Years

Project	**Coyote Creek, Montague Expressway to Interstate 280**
Program	Flood Protection – Coyote Watershed
Priority No.	62
Project No.	26174043
District Contact	Katherine Oven koven@valleywater.org



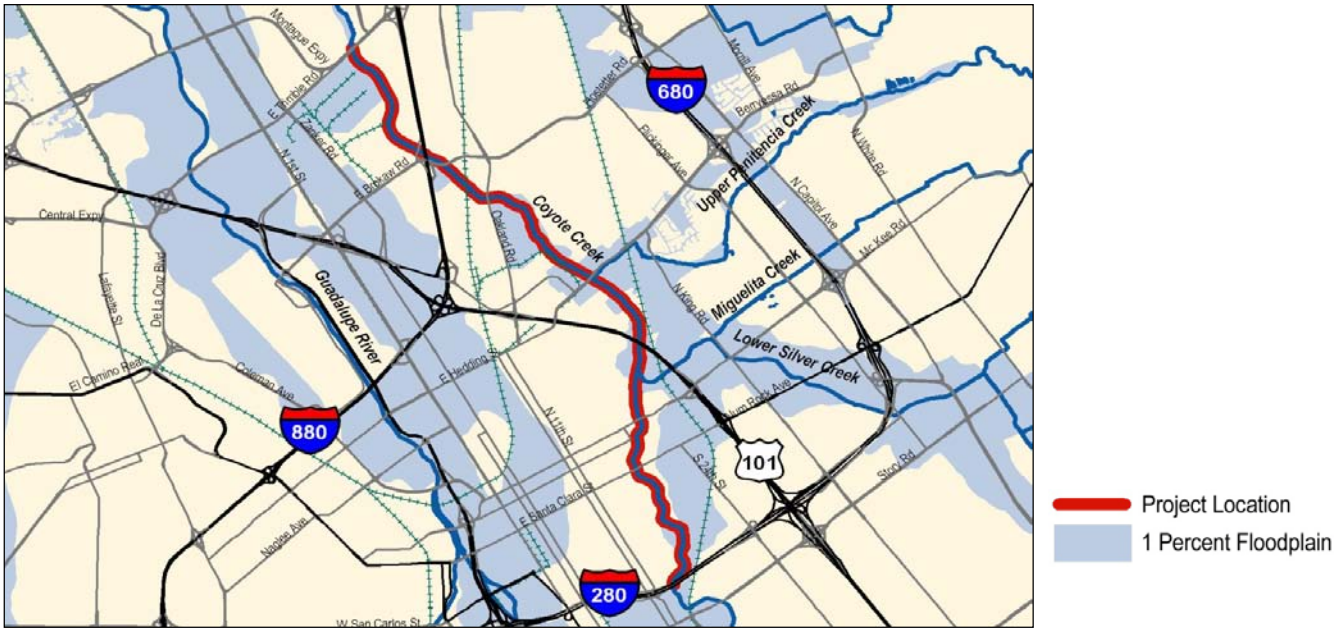
Flooding from Coyote Creek on 17th Street near downtown San Jose in January 1997

PROJECT DESCRIPTION

This project plans, designs, and partially constructs improvements along approximately 6.1 miles of Coyote Creek, from Montague Expressway to Interstate 280, to accomplish the following objectives:

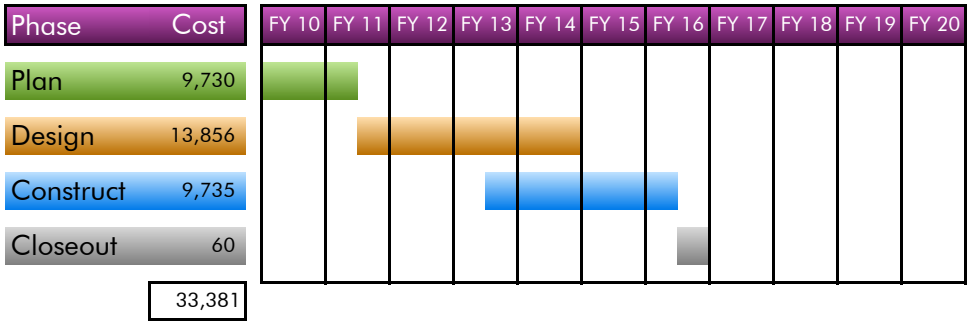
- Provide flood protection to the surrounding area.
- Mitigate for project impacts to stream habitat and fisheries.
- Identify stream habitat enhancement and/or restoration opportunities.
- Identify opportunities to improve water quality within the project limits.
- Identify opportunities to provide for public recreation and access.
- Create a self-sustaining system within the project limits, to reduce long-term operations and maintenance costs.
- Obtain community support.

PROJECT LOCATION



SCHEDULE & STATUS

September 2002 to June 2016



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Coyote Creek, Montague Expressway to Interstate 280	7,552	3,151	1,175	7,824	4,244	6,300	2,800	335	33,381
with inflation	7,552	3,151	1,175	8,489	4,809	7,408	3,456	431	36,471

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Coyote Creek, Montague Expressway to Interstate 280	9,513	1,332	142	1,033	8,489	4,809	7,408	3,456	431	36,471

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	36,471
Other Funding Source	0
Total	**36,471**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2016. Currently the District has limited and sporadic property rights within the project limits along the creek, and ongoing maintenance costs are relatively small. Project implementation may include acquisition of continuous right of way for construction and future operations and maintenance.

USEFUL LIFE: 30+ Years

Project	**Lake Cunningham Improvements**
Program	Flood Protection – Coyote Watershed
Priority No.	57
Project No.	40264011
District Contact	Katherine Oven koven@valleywater.org



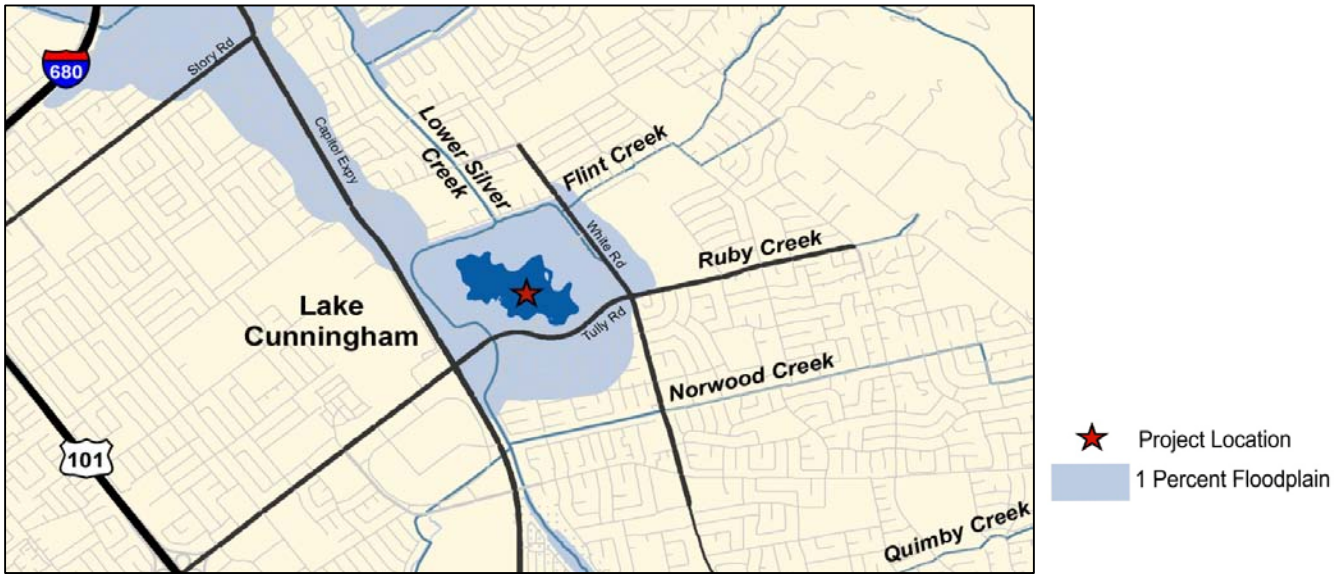
Flooding from Lower Silver Creek in February 1969 at the future site of Lake Cunningham.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Lake Cunningham in the city of San Jose between Cunningham Avenue and Tully Road, to function as a detention basin and accomplish the following objectives:

- Provide one-percent flood protection to Lower Silver Creek between Coyote Creek and Cunningham Avenue.
- Obtain Letter of Map Revision from FEMA to remove at least 3,800 parcels from the 1% flood plain.

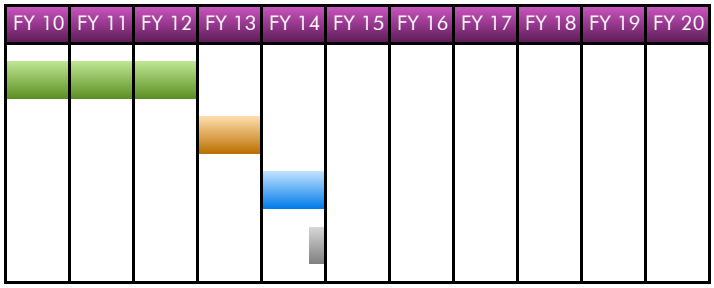
PROJECT LOCATION



SCHEDULE & STATUS

August 1999 to June 2014.

Phase	Cost
Plan	1,594
Design	1,506
Construct	4,981
Closeout	20
	8,101



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Lake Cunningham Improvements	101	0	0	1,500	1,500	5,000	0	0	8,101
with inflation	101	0	0	1,632	1,702	5,860	0	0	9,295

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Lake Cunningham Improvements	101	0	0	0	1,632	1,702	5,860	0	0	9,295

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	9,295
Other Funding Source	0
Total	**9,295**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs. The project is within District jurisdiction and it is designed to minimize maintenance activities such as sediment removal, so as to have minimal or no additional impact to the operating budget.

USEFUL LIFE: 30+ Years

Project	**Lower Penitencia Creek, Coyote to Berryessa Creeks**
Program	Flood Protection – Coyote Watershed
Priority No.	53
Project No.	40334005
District Contact	Katherine Oven koven@valleywater.org



Lower Penitencia Creek, looking upstream from Abbot Avenue

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 1 mile of Lower Penitencia Creek from the downstream confluence with Coyote Creek to the upstream confluence with Lower Berryessa Creek, to accomplish the following objectives:

- Provide 1-percent flood protection along the creek.
- Identify opportunities for environmental enhancement, such as stream restoration, trails, parks, and open space for Board consideration.
- Minimize impacts to environmental resources and provide opportunities to protect and enhance existing riparian habitat

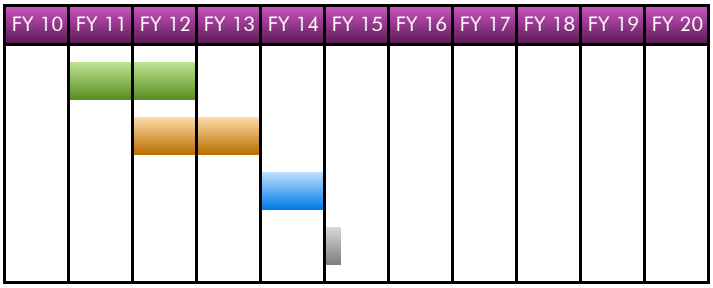
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to September 2014

Phase	Cost
Plan	306
Design	550
Construct	5,050
Closeout	10
	5,916



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Lower Penitencia Creek, Coyote to Berryessa Creeks	0	0	156	450	200	5,100	10	0	5,916
with inflation	0	0	156	490	227	5,968	12	0	6,852

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Lower Penitencia Creek, Coyote to Berryessa Creeks	0	0	0	156	490	227	5,968	12	0	6,852

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	6,852
Other Funding Source	0
Total	**6,852**

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: 50 Years

Project	**Lower Silver Creek, I-680 to Cunningham Avenue (R4-6)**
Program	Flood Protection – Coyote Watershed
Priority No.	59
Project No.	40264007s
District Contact	Katherine Oven koven@valleywater.org



Lower Silver Creek looking upstream from Capital Expressway.

PROJECT DESCRIPTION

This project is part of a flood control project that partners with the Natural Resource Conservation Service (NRCS) to plan, design and construct improvements along approximately 2.3 miles of Lower Silver Creek, from Interstate 680 to Lake Cunningham. This project includes elements that are eligible for reimbursement from the State and helps to accomplish the following objectives:

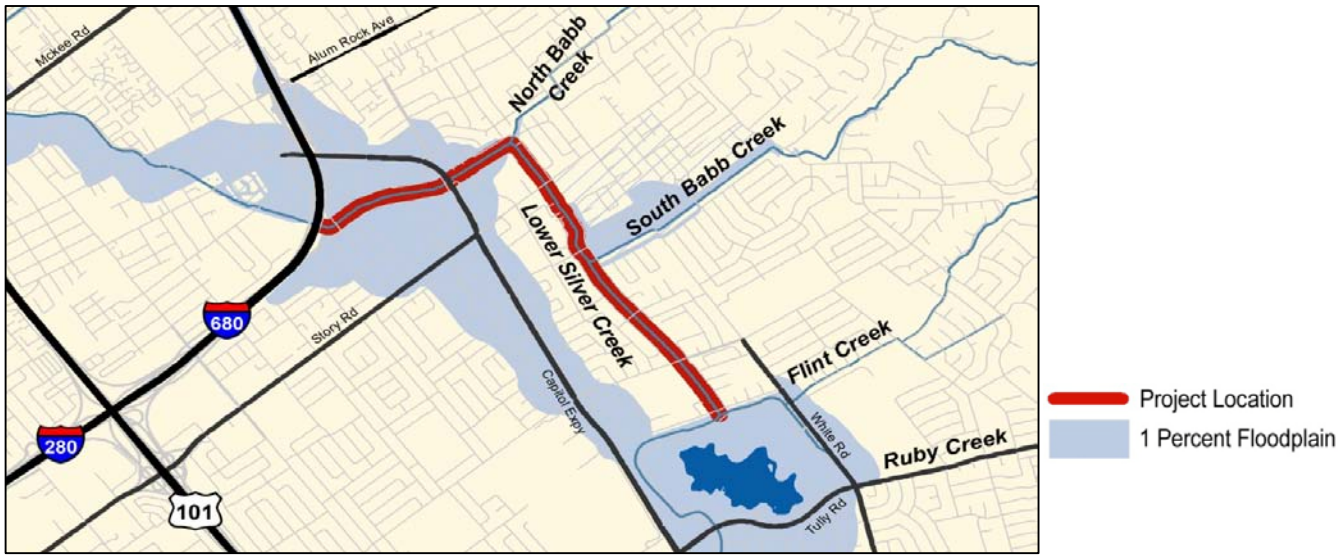
- Increase flood protection to 5,400 properties in the surrounding area.
- Allow for on-site mitigation of project impacts, and in some cases enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve vehicle and pedestrian bridges crossing Lower Silver Creek.

This project is accounted for in the following job numbers:

40264007–Lower Silver Creek, I-680 to N. Babb Rd. (Reach 4 Planning)
40264008–Lower Silver Creek, I-680 to Cunningham Rd. (Reach 4-6)
40264012–Lower Silver Creek (Reach 4-6) Reimbursable

The project is partially funded. The nationwide American Recovery and Reinvestment Act of 2009 (ARRA) appropriated $10 million to continue project construction upstream of I-680. Planned expenditures have been identified, but not scheduled. An approved expenditure and reimbursement schedule will be developed early in FY 2010 and submitted for Board approval.

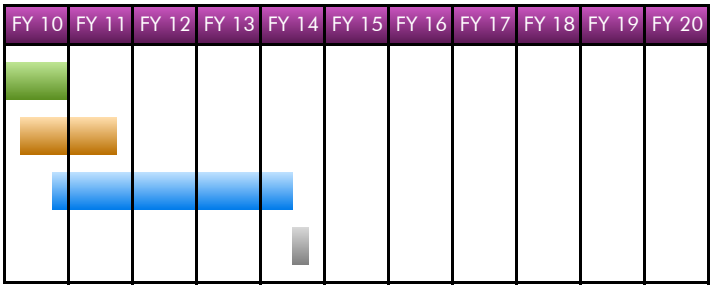
PROJECT LOCATION



SCHEDULE & STATUS

August 2008 to March 2014

Phase	Cost
Plan	2,371
Design	9,997
Construct	49,093
Closeout	50
	61,511



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Lower Silver Creek, Reach 4 Planning	2,371	0	0	0	0	0	0	0	2,371
with inflation	2,371	0	0	0	0	0	0	0	2,371
Lower Silver Creek, Nonreimbursable (R4-6)	5,152	24,850	5,189	400	0	11,325	0	0	46,916
with inflation	5,152	24,850	5,189	435	0	13,249	0	0	48,875
Lower Silver Creek, LERRDs (R4-6)	345	900	104	50	0	10,825	0	0	12,224
with inflation	345	900	104	54	0	12,684	0	0	14,088
TOTAL	7,868	25,750	5,293	450	0	22,150	0	0	61,511
with inflation	7,868	25,750	5,293	489	0	25,933	0	0	65,333

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Lower Silver Creek, Reach 4 Planning	2,371	0	0	0	0	0	0	0	0	2,371
Lower Silver Creek, Nonreimbursable (R4-6)	5,265	24,737	0	5,189	435	0	13,249	0	0	48,875
Lower Silver Creek, LERRDs (R4-6)	825	1,884	1,464	0	0	0	11,379	0	0	14,088
TOTAL	8,461	26,621	1,464	5,189	435	0	24,628	0	0	65,333

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	36,332
State of California	11,002
Natural Resource Conservation Service - ARRA	18,000
Total	**65,333**

OPERATING COST IMPACTS

This project will be done in parts. Operating impacts will be determined upon completion of an expenditure plan.

USEFUL LIFE: 50+ Years

Project	**Upper Penitencia Creek, Coyote Creek to Dorel Drive**
Program	Flood Protection – Coyote Watershed
Priority No.	63
Project No.	40324003s
District Contact	Katherine Oven koven@valleywater.org



Flooding at King Road on Upper Penitencia Creek

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the following objectives.

- Provide one-percent flood protection to more than 5,000 homes, businesses, and public buildings.
- Mitigate for project impacts.
- Improve stream habitat values and fisheries potential.
- Reduce sedimentation and maintenance requirements.
- Identify opportunities to integrate recreation improvements consistent with the City of San Jose's and Santa Clara County Parks' Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers:
40324003—District coordination with Corps for Corps' work
40324005—District's Lands, Easements, Rights of Way, Relocation, and Disposal (LERRDs)

This project is funded through the planning and partial design phases only. The scope, schedule, costs and funding sources of the remaining design and construction phases will be determined at the completion of planning.

PROJECT LOCATION

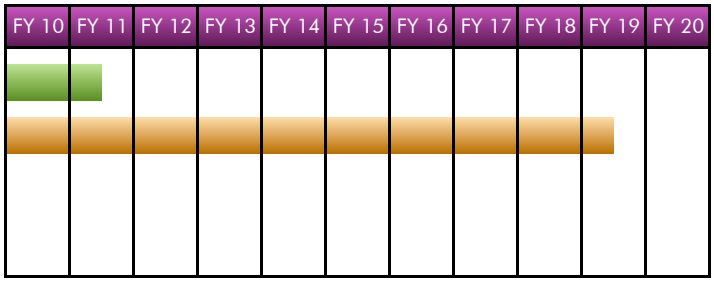


PROJECT SCHEDULE

March 1996 to December 2010

(Planning & Partial Design Phases Only) Preliminary Design ends in FY 2011 and picks up again in FY 2017, due to funding constraints.

Phase	Cost
Plan	9,335
Design	28,375
Construct	-
Closeout	-
	37,710



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	7,760	1,025	130	0	0	0	0	0	8,915
with inflation	7,760	1,025	130	0	0	0	0	0	8,915
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	1,716	3,993	1,254	1,789	0	0	0	20,043	28,795
with inflation	1,716	3,993	1,254	1,946	0	0	0	28,260	37,169
TOTAL	**9,476**	**5,018**	**1,384**	**1,789**	**0**	**0**	**0**	**68,346**	**37,710**
with inflation	**9,476**	**5,018**	**1,384**	**1,946**	**0**	**0**	**0**	**28,260**	**46,084**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	8,970	0	185	0	0	0	0	0	0	8,970
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	6,034	0	325	929	1,946	0	0	0	28,260	37,169
TOTAL	**15,004**	**0**	**510**	**929**	**1,946**	**0**	**0**	**0**	**28,260**	**46,139**

Adjusted Budget includes adopted budget plus approved budget adjustments. Approved funding exceeds planned expenditures by $55,000 for Corps Coordination. Remaining funds will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	46,139
Other Funding Source	0
Total	**46,139**

OPERATING COST IMPACTS

Planning and Design Phases Only: The completion of this phase of the project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	**Llagas Ck–Lower, Capacity Restoration, Hwy 152 to Pajaro River**
Program	Flood Protection – Uvas/Llagas Watershed
Priority No.	60
Project No.	50284010
District Contact	Katherine Oven koven@valleywater.org



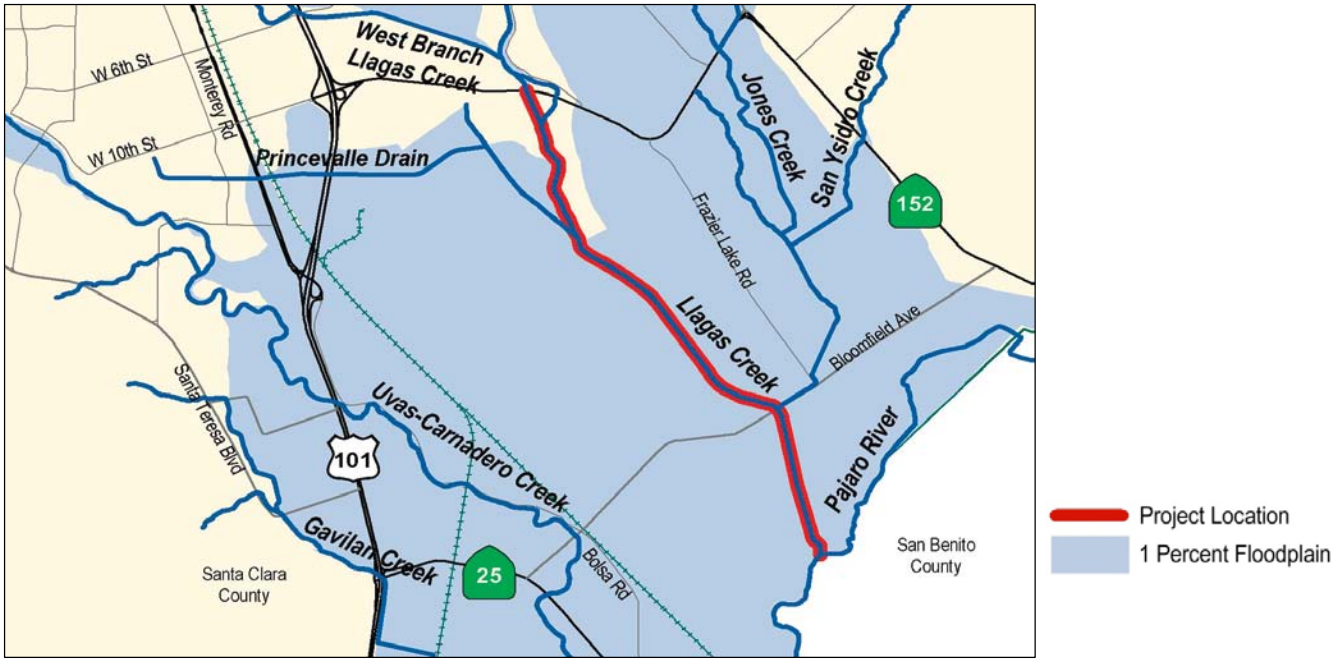
Lower Llagas Creek near Pajaro River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on approximately 3.35 miles of Lower Llagas Creek, from Hwy 152 to Pajaro River, to accomplish the following objectives:

- Restore flood capacity in Lower Llagas Creek.
- Integrate flood protection with habitat protection to satisfy Endangered Species Act regulations.
- Coordinate with South County Wastewater Authority as a principal stakeholder and water resource co-planner.

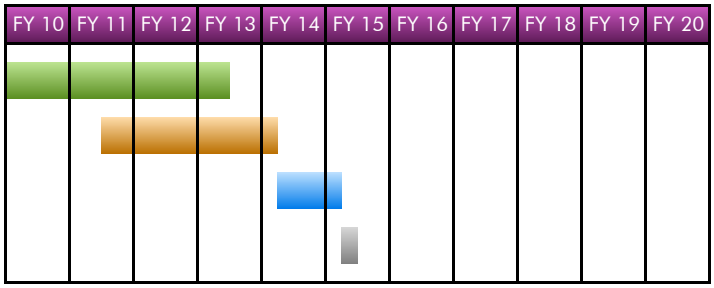
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to December 2014

Phase	Cost
Plan	3,327
Design	1,803
Construct	2,400
Closeout	50
	7,580



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Llagas Ck–Lower, Capacity Restoration, Hwy 152 to Pajaro River	461	875	862	2,182	675	2,325	200	0	7,580
with inflation	461	875	862	2,374	766	2,724	247	0	8,309

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Llagas Ck–Lower, Capacity Restoration, Hwy 152 to Pajaro River	485	856	5	857	2,374	766	2,724	247	0	8,309

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	8,309
Other Funding Source	0
Total	**8,309**

OPERATING COST IMPACTS

Operating costs will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Llagas Creek–Upper, Buena Vista Road to Wright Avenue**
Program	Flood Protection – Uvas/Llagas Watershed
Priority No.	70
Project No.	26174051s
District Contact	Katherine Oven koven@valleywater.org



Llagas Creek floods at Watsonville Road and the surrounding area.

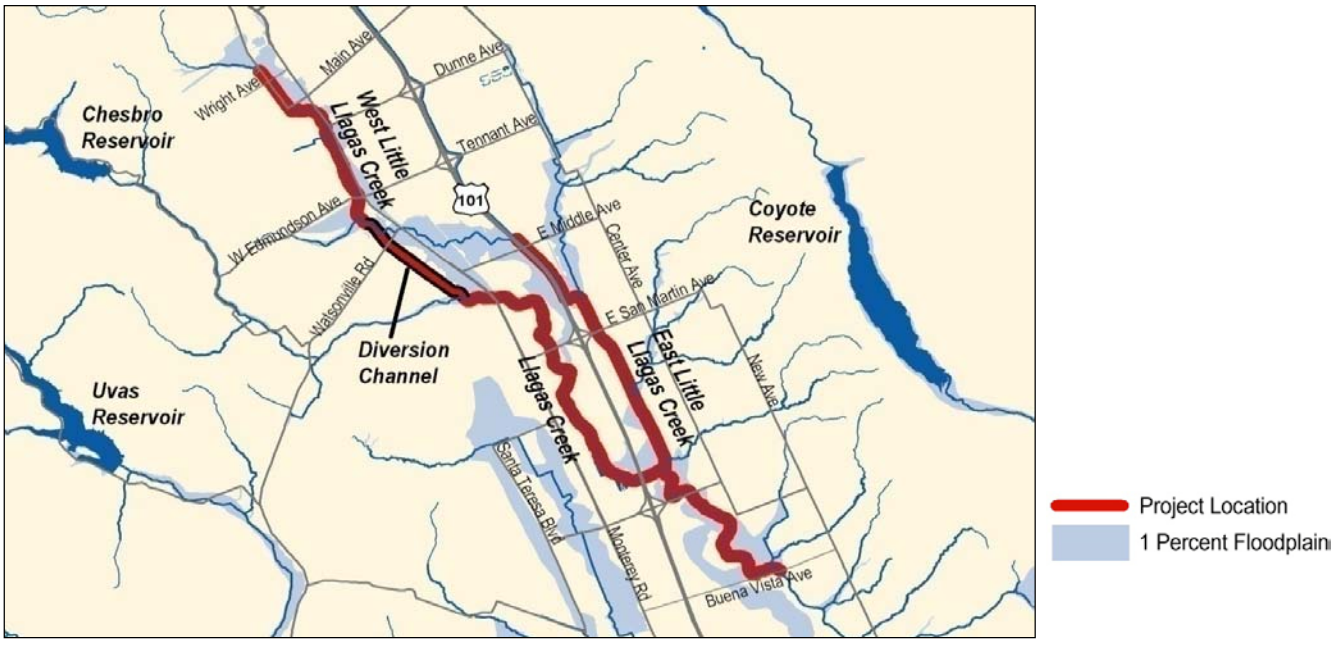
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements on approximately 13.6 miles of Upper Llagas Creek, from Buena Vista Avenue to Wright Avenue, to provide an increased level of flood protection with adequate freeboard.

This project is accounted for in the following job numbers:

- 26174051—Reimbursable Work—Lands, Easements, Rights of Way, Relocation, and Disposal (LERRD)
- 26174052—Coordination with the Corps
- 26174053—Technical Studies
- 26174054—Design

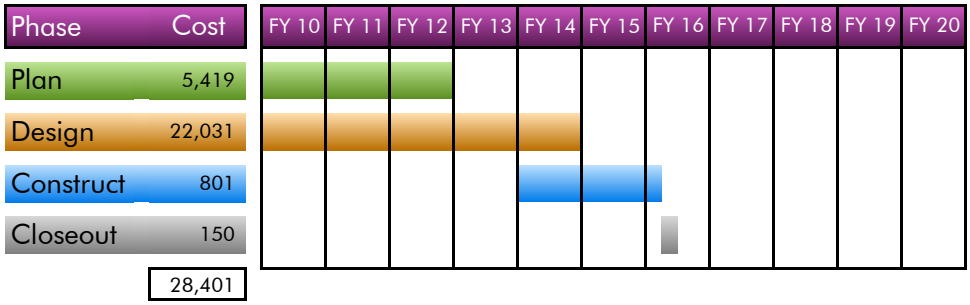
PROJECT LOCATION



PROJECT SCHEDULE

August 2000 to December 2015

Project schedule may vary considerably and is dependent upon the Corps and Congress.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Llagas Ck—Upper, LERRDs	5,405	2,218	1,335	0	5,000	5,000	25	0	18,983
with inflation	5,405	2,218	1,335	0	5,673	5,917	31	0	20,579
Llagas Ck—Upper, Corps Coordination	1,965	5,248	159	100	100	100	100	200	7,972
with inflation	1,965	5,248	159	109	113	118	123	257	8,093
Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	1,446
with inflation	1,446	0	0	0	0	0	0	0	1,446
Llagas Ck—Upper, Design	0	8,575	71	899	175	0	0	0	9,720
with inflation	0	8,575	71	978	199	0	0	0	9,823
TOTAL	**8,816**	**16,041**	**1,565**	**999**	**5,275**	**5,100**	**125**	**200**	**38,121**
with inflation	**8,816**	**16,041**	**1,565**	**1,087**	**5,985**	**6,035**	**154**	**257**	**39,941**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Llagas Ck—Upper, LERRDs	8,386	543	1,306	29	0	5,673	5,917	31	0	20,579
Llagas Ck—Upper, Corps Coordination	2,052	5,212	51	108	109	113	118	123	257	8,093
Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	0	1,446
Llagas Ck—Upper, Design	0	8,575	0	71	978	199	0	0	0	9,823
TOTAL	**11,884**	**14,330**	**1,357**	**208**	**1,087**	**5,985**	**6,035**	**154**	**257**	**39,941**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding for the design project (26174054) includes a planned budget adjustment in the amount of $8,575,000.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	30,453
State of California	6,148
City of Morgan Hill	3,340
Total	**39,941**
Federal Partner—Corps of Engineers	22,000

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**San Francisco Bay Shoreline**
Program	Flood Protection – Multiple Watersheds
Priority No.	43
Project No.	00044026s
District Contact	Katherine Oven koven@valleywater.org



Typical natural tidal marshland in San Francisco Bay near the Shoreline project area.

PROJECT DESCRIPTION

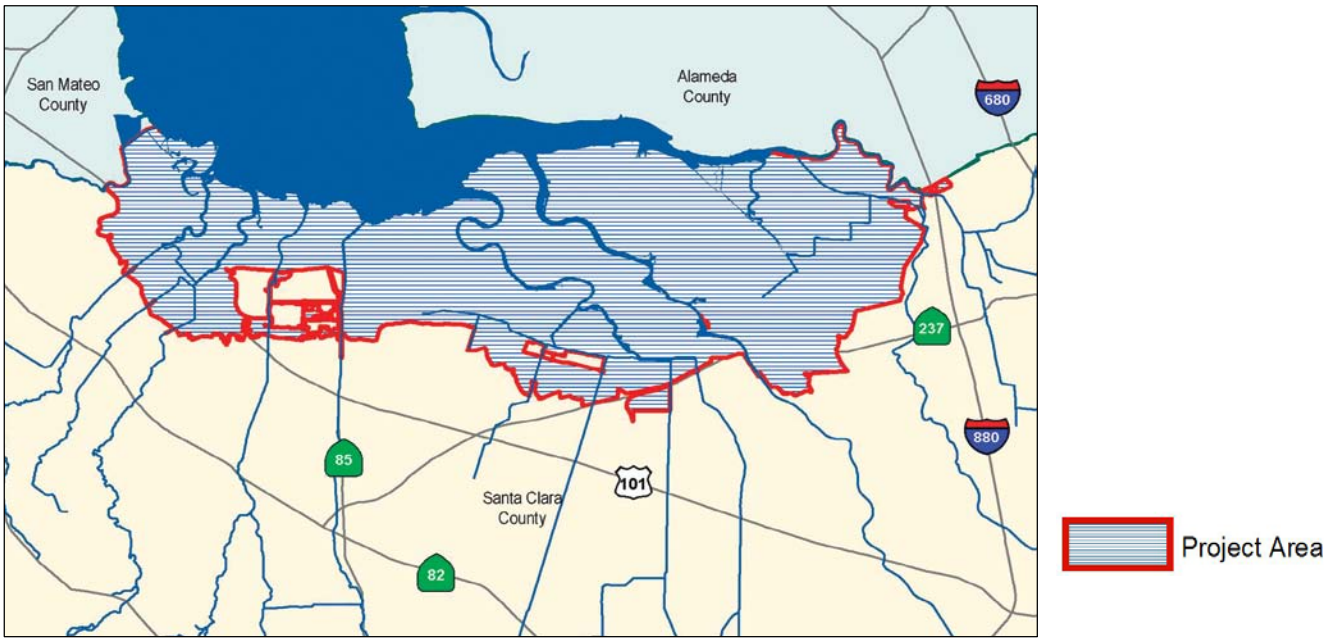
This project coordinates with the California Costal Conservancy, U.S. Army Corps of Engineers (Corps), and other project partners to plan, design, and construct improvements to the San Francisco Bay Shoreline, to accomplish the following objectives:

- Provide integrated fluvial and tidal flood protection.
- Restore and/or enhance tidal marsh and related habitats.
- Provide recreational and public access opportunities throughout the tidal floodplain of Santa Clara County.
- Pursue continued federal funding.

This project is accounted for in the following job numbers:
00044026—San Francisco Bay Shoreline
62044042—Early Shoreline Implementation Feasibility

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for the design phase and construction phase will be determined at the completion of the planning phase.

PROJECT LOCATION



PROJECT SCHEDULE

July 2003 to June 2020

(Planning Phase Only)

Phase	Cost
Plan	16,859
Design	-
Construct	-
Closeout	-
	16,859

FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
San Francisco Bay Shoreline	8,759	1,755	495	245	233	0	0	0	11,487
with inflation	8,759	1,755	495	267	264	0	0	0	11,540
Early Shoreline Implementation Feasibility	1	135	236	0	0	0	0	5,000	5,372
with inflation	1	135	236	0	0	0	0	7,618	7,990
TOTAL	**8,760**	**1,890**	**731**	**245**	**233**	**0**	**0**	**5,000**	**16,859**
with inflation	**8,760**	**1,890**	**731**	**267**	**264**	**0**	**0**	**7,618**	**19,529**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
San Francisco Bay Shoreline	11,297	0	783	0	0	243	0	0	0	11,540
Early Shoreline Implementation Feasibility	76	60	0	236	0	0	0	0	7,618	7,990
TOTAL	**11,373**	**60**	**783**	**236**	**0**	**243**	**0**	**0**	**7,618**	**19,529**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	17,518
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	2,011
Total	**19,529**
Federal Partners, South Bay Salt Ponds (SBSP)	48,470
State, SBSP	14,720
Foundations, Packard-Hewlett-Goldman-Moore, SBSP	17,060
Coastal Conservancy, Shoreline	2,010
Federal, Corps of Engineers, Shoreline	8,990
Total Partnership Funding	**91,250**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available

WATER RESOURCES STEWARDSHIP CAPITAL IMPROVEMENTS

WATER RESOURCES STEWARDSHIP OVERVIEW

The District plans, designs and constructs various capital projects to meet the Board's Ends Policy E-4 "There is water resources stewardship to protect and enhance watersheds and natural resources and improve the quality of life in Santa Clara County." These projects may fulfill environmental enhancement, mitigation or stewardship goals and priorities.

Environmental Enhancement Projects

Environmental Enhancement projects are constructed at the direction of the Board either to meet the Clean Safe Creeks and Natural Flood Protection program obligations or to meet other Board priorities.

The District's Clean, Safe Creeks Program, approved by the voters of Santa Clara County in 2000, committed funding for environmental enhancement activities that create or restore tidal or riparian habitat. A selection process is conducted biannually to allocate the Clean, Safe Creeks funding to the enhancement opportunities that meet Board-defined characteristics.

Major Capital Improvements Identified in the CIP

- CSC Soap Lake Floodplain Property Acquisition
- FAHCE Stevens Creek Fish Passage Enhancement
- Jacques Gulch
- Pond A8 Applied Study Final Design and Construction



Mitigation Projects

The District manages many mitigation sites and continues to plan, design, and construct new mitigation sites to fulfill CEQA and regulatory permit requirements for both capital projects and operations activities. Mitigation requirements for capital projects may be incorporated into the project scope or accomplished as a separate project.

Major Capital Improvements Identified in the CIP

- Dam Maintenance Mitigation
- Ogier Ponds Separation from Coyote Creek
- SMP Mitigation, Laguna Seca Freshwater Wetland
- SMP Mitigation, Pajaro Basin Freshwater Wetland
- SMP Mitigation, Stream and Watershed Land Preservation

Stewardship Projects

Stewardship projects are implemented to promote water quality awareness; reduce pollutants in streams; support additional trails, parks and open space; support creek side recreation; and reduce green house gas. Stewardship projects are implemented at the discretion of the Board when reasonable and appropriate. These projects are often accomplished in partnership with or support of other agencies.

Stewardship projects may be constructed to fulfill the Clean Safe Creek (CSC) obligations or to meet other Board priorities. A selection process is conducted biannually to allocate Clean Safe Creeks funding to the Stewardship projects that meet the CSC requirements.

Major Capital Improvements Identified in the CIP

- Alviso Slough Restoration
- Gold Street Educational Center
- Regnart Creek Stream Stabilization, Bubb Road to Stelling Road
- Thompson Creek Stream Stabilization, Quimby Road to Aborn Road

WATER RESOURCES STEWARDSHIP CAPITAL IMPROVEMENTS

PRIORITY PROCESS AND FINANCIAL ANALYSIS

Environmental Enhancement and Stewardship projects are implemented at the discretion of the Board. Projects may go through a ranking process to compete for Clean, Safe Creeks funds or the board may direct that other available revenue be used to implement the proposed projects. The inclusion of these projects in the Fiscal Year 2010-11 CIP has been approved by the Board. The priority criteria used to evaluate these projects are included in Appendix A.

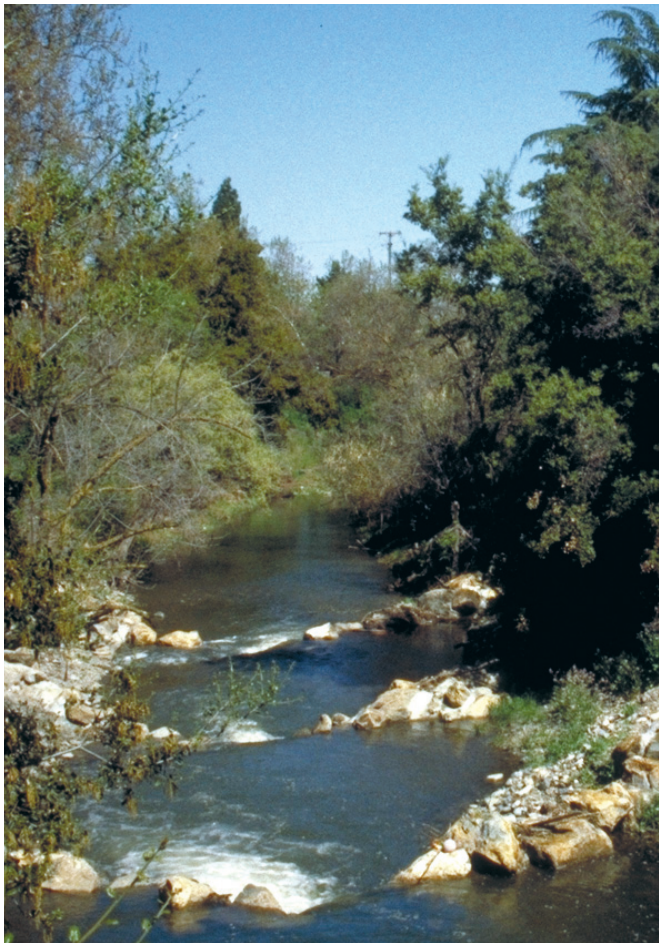
Implementation of the Mitigation projects is considered non-discretionary since they are needed to meet California Environmental Quality Act (CEQA) or regulatory permit commitments approved by the Board. Funding for mitigation projects is allocated without a prioritization process.

The District's Water Resources Stewardship program has benefited from ARRA funding. The Coastal Conservancy has allocated $700 thousand in ARRA funds for construction of the Pond A8 Applied Study Project from the $6.7 million grant they received from the National Oceanic and Atmospheric Administration.

Financial analysis of the following funding sources for Water Resources Stewardship capital improvements was conducted to determine if there are limitations to funding currently planned capital projects.

- Watershed and Stream Stewardship Fund
- Clean Safe Creek Fund
- Water Enterprise Fund

Funding needs for approved Water Resources Stewardship projects can be met.





WATER RESOURCES STEWARDSHIP CAPITAL IMPROVEMENTS

The following table is a project funding schedule for water resources stewardship capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2009-10.

Water Resources Stewardship Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
	ENVIRONMENTAL ENHANCEMENT										
26074009s	CSC Soap Lake Floodplain Property Acquisition	260	37	-	18	-	-	-	-	-	315
00294001s	FAHCE Stevens Creek Fish Passage Enhancement	908	436	2	-	2,584	5,291	4,167	-	-	13,386
91854002	Jacques Gulch Restoration	5,383	-	-	141	112	96	34	54	-	5,820
62044020	Pond A8 Applied Study Final Design & Construction	3,048	267	449	19	-	-	-	-	-	3,334
	MITIGATION										
91084018	Dam Maintenance Mitigation	-	3,000	2,950	-	87	-	-	-	-	3,087
92C40297	Ogier Ponds Separation from Coyote Creek	-	-	-	-	-	-	488	509	12,348	13,345
00044030	SMP Mitigation, Laguna Seca Freshwater Wetland	1,418	7,283	7,673	-	5,977	998	691	721	1,417	18,505
62754001	SMP Mitigation, Pajaro Basin Freshwater Wetland	4,607	-	226	71	-	-	-	-	-	4,678
62184001	SMP Mitigation, Stream and Watershed Land Preservation	8,633	-	4,941	-	-	-	-	-	-	8,633
	STEWARDSHIP										
30154029s	Alviso Slough Restoration	2,813	615	260	354	750	10,156	327	-	-	15,015
30154028	Gold Street Educational Center	680	829	287	-	-	-	-	-	-	1,509
20C40316	Regnart Creek Stream Stabilization, Bubb to Stelling Rds.	-	-	-	-	509	397	1,568	-	-	2,474
62214001	Thompson Creek Stream Stabilization, Quimby to Aborn Rds.	2,256	-	2,047	-	-	-	-	-	-	2,256
	TOTAL	30,006	12,467	18,835	603	10,019	16,938	7,275	1,284	13,765	92,357

FY 2009-10 Funds to be reappropriated

The following table shows funding requirements from each funding source for mitigation capital improvements.

Water Resources Stewardship – Funding Sources ($K)

FUNDING SOURCES	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
Water Enterprise Fund	6,200	3,392	2,952	141	2,525	4,858	4,272	563	12,348	34,299
Watershed Stream Stewardship Fund	23,556	9,075	15,883	462	6,985	11,683	1,435	721	1,417	55,334
Clean, Safe Creeks and Natural Flood Protection Fund	250	-	-	-	509	397	1,568	-	-	2,724
TOTAL	30,006	12,467	18,835	603	10,019	16,938	7,275	1,284	13,765	92,357

FY 2009-10 Funds to be reappropriated

Project	**CSC Soap Lake Floodplain Property Acquisition**
Program	Water Resources Stewardship – Environmental Enhancement
Priority No.	26
Project No.	26074009
District Contact	Liang Lee llee@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project partners with various regional stakeholders to acquire easements or property as recommended by the Pajaro River Flood Prevention Authority's Soap Lake Preservation Project to accomplish the following objectives:

- Secure development rights to prevent development and preserve the Pajaro River floodplain referred to as the Soap Lake floodplain.
- Implement environmental, floodplain, and water quality measures, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Environmental Enhancement Program (EEP) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

PROJECT LOCATION

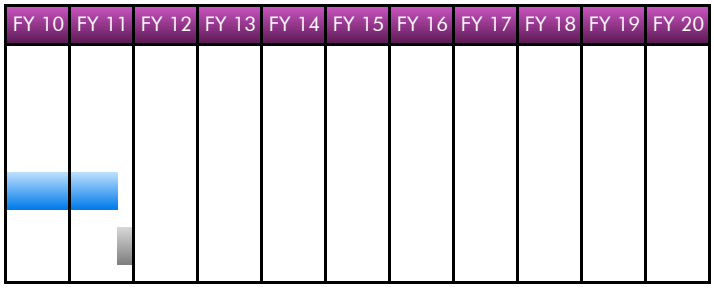


SCHEDULE & STATUS

July 2007 to June 2011

Schedule for this project is dependent on availability of willing sellers. Property acquisition is shown in the construction phase. Planning and design phases do not apply.

Phase	Cost
Plan	n/a
Design	22
Construct	288
Closeout	5
	315



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
CSC Soap Lake Floodplain Property Acquisition	22	275	18	0	0	0	0	0	315
with inflation	22	275	18	0	0	0	0	0	315

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
CSC Soap Lake Floodplain Property Acquisition	260	37	0	18	0	0	0	0	0	315

Adjusted Budget includes adopted budget plus a planned budget adjustment of $19k.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	250
SCVWD Watershed Stream Stewardship Fund	65
Total	315

OPERATING COST IMPACTS

Since the District is not likely to hold title on the properties acquired, the completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	**FAHCE Stevens Creek Fish Passage Enhancement**
Program	Water Resources Stewardship – Environmental Enhancement
Priority No.	21
Project No.	00294001s
District Contact	Katherine Oven koven@valleywater.org



Stevens Creek Fish Ladder at Evelyn Avenue, one of three fish ladders to be modified or reconstructed for better fish passage.

PROJECT DESCRIPTION

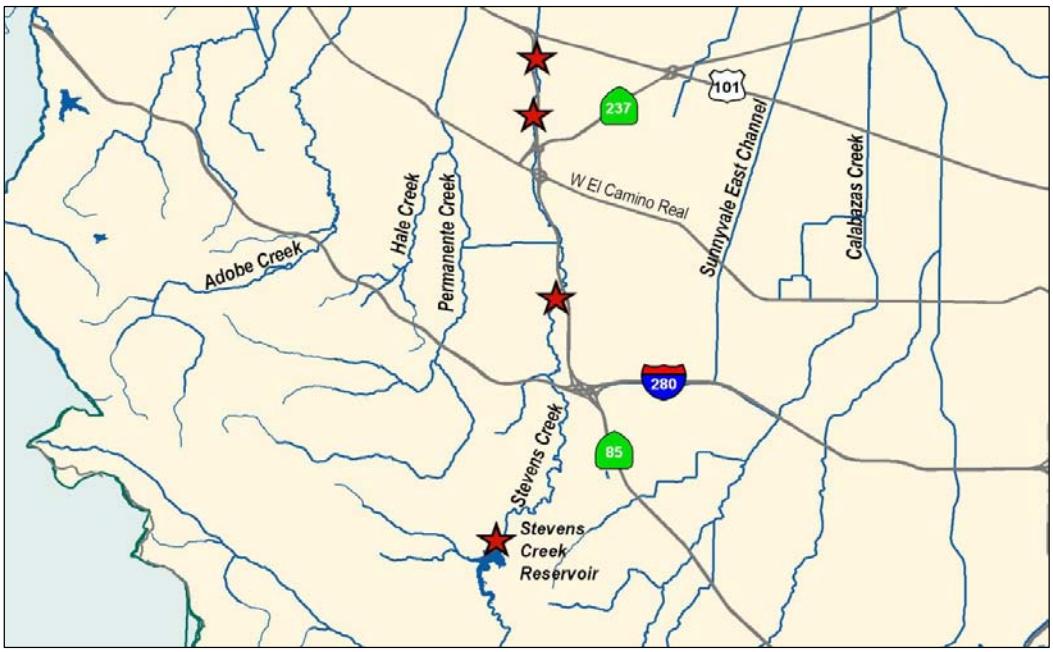
This project plans, designs, and modifies or reconstructs fish passages on Stevens Creek at Evelyn Avenue, Fremont Avenue and Moffett Boulevard; and constructs a portable, gravity-fed outlet at Stevens Creek Dam to accomplish the following objectives:

- Meet the District's mitigation obligation resulting from the Fish and Aquatic Habitat Collaborative Effort (FAHCE).
- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide a suitable spawning and rearing habitat below Stevens Creek Dam within a cold water management zone determined on an annual basis through the development of an operations plan.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles.

This project is accounted for in the following job numbers:

- 00294001—Fish Passage Planning
- 00C40144—Evelyn Avenue Fish Ladder
- 00C40146—Fremont Avenue Fish Ladder
- 00C40145—Moffett Boulevard Fish Ladder
- 00C40198—Multi-Port Outlet at Dam

PROJECT LOCATION

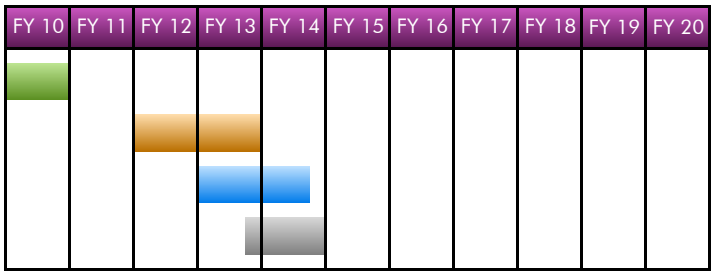


PROJECT SCHEDULE

July 2008 to June 2014

Project on hold for one year pending completion of the Three Creeks Habitat Conservation Plan, which is being accomplished in a separate operating project.

Phase	Cost
Plan	1,342
Design	3,108
Construct	7,498
Closeout	29
	11,977



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
FAHCE Stevens Ck Fish Passage Planning	593	749	0	0	0	0	0	0	1,342
with inflation	593	749	0	0	0	0	0	0	1,342
FAHCE Stevens Ck Fish Ladder at Evelyn Ave	0	0	0	938	1,371	0	0	0	2,309
with inflation	0	0	0	1,020	1,542	0	0	0	2,563
FAHCE Stevens Ck Fish Ladder at Fremont Ave	0	0	0	274	732	3,562	0	0	4,568
with inflation	0	0	0	298	831	4,167	0	0	5,296
FAHCE Stevens Ck Fish Ladder at Moffett Blvd	0	0	0	926	1,677	0	0	0	2,603
with inflation	0	0	0	1,007	1,886	0	0	0	2,894
FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	238	917	0	0	0	1,155
with inflation	0	0	0	259	1,032	0	0	0	1,291
TOTAL	**593**	**749**	**0**	**2,376**	**4,697**	**3,562**	**0**	**0**	**11,977**
with inflation	**593**	**749**	**0**	**2,585**	**5,291**	**4,167**	**0**	**0**	**13,385**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
FAHCE Stevens Ck Fish Passage Planning	908	436	2	0	0	0	0	0	0	1,344
FAHCE Stevens Ck Fish Ladder at Evelyn Ave	0	0	0	0	1,020	1,542	0	0	0	2,563
FAHCE Stevens Ck Fish Ladder at Fremont Ave	0	0	0	0	298	831	4,167	0	0	5,296
FAHCE Stevens Ck Fish Ladder at Moffett Blvd	0	0	0	0	1,007	1,886	0	0	0	2,894
FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	0	259	1,032	0	0	0	1,291
TOTAL	**908**	**436**	**2**	**0**	**2,585**	**5,291**	**4,167**	**0**	**0**	**13,387**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding for Planning exceeds expenditures by $2,000.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–10%	1,339
SCVWD Water Utility Enterprise (FAHCE Program)–90%	12,048
Total	**13,387**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $12,000 per year beginning in FY 2014, due to reductions in routine maintenance and debris removal.

USEFUL LIFE: 50 Years

Project	**Jacques Gulch Restoration**
Program	Water Resources Stewardship – Environmental Enhancement
Priority No.	38
Project No.	91854002
District Contact	Chris Elias celias@valleywater.org



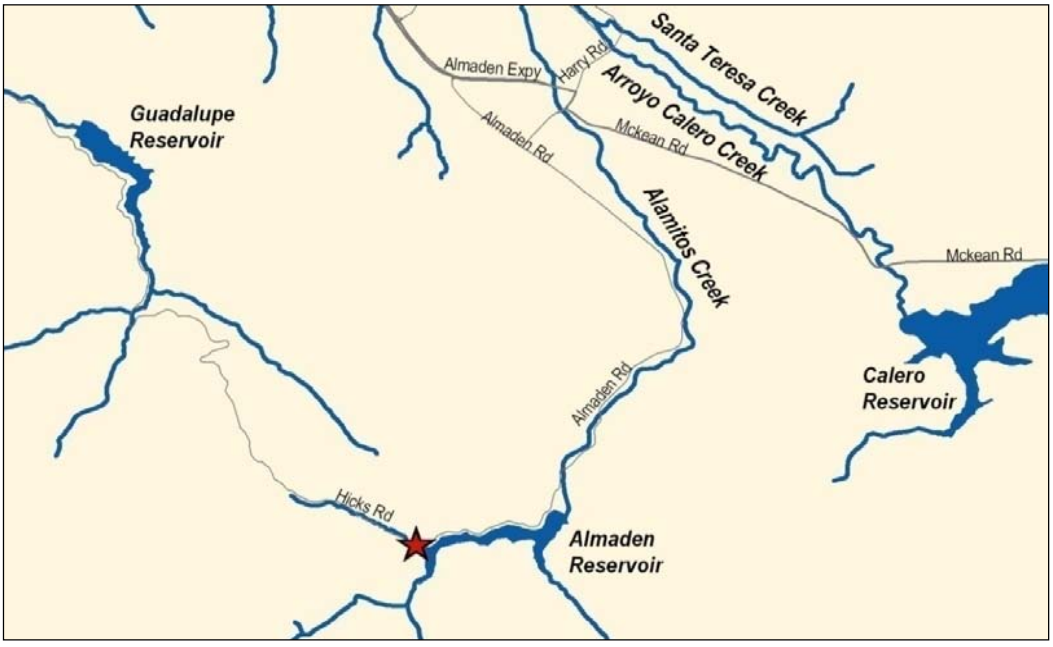
Geotechnical analysis of calcine deposits to determine mercury depth and concentration.

PROJECT DESCRIPTION

This project plans, designs and constructs improvements to Jacques Gulch, a tributary to the Almaden Reservoir, to accomplish the following objectives:

- Remove mercury calcine deposits.
- Stabilize the stream banks and restore habitat along Jacques Gulch, consistent with provisions of the Consent Decree.

PROJECT LOCATION

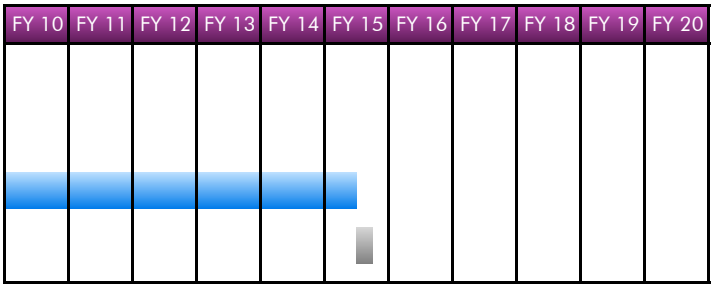


SCHEDULE & STATUS

July 2003 to March 2015

Planning Phase is complete.
Design Phase is complete.
Construction Phase includes 5 years of plant establishment monitoring.

Phase	Cost
Plan	1,500
Design	660
Construct	3,603
Closeout	22
	5,785



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Jacques Gulch Restoration	4,419	964	141	103	85	29	44	0	5,785
with inflation	4,419	964	141	112	96	34	54	0	5,821

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Jacques Gulch Restoration	5,383	0	0	141	112	96	34	54	0	5,821

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,696
Guadalupe Rubbish Disposal Company	125
County of Santa Clara	140
Total	**5,821**
County Partner–Santa Clara County	4,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2015. Increases are related to the anticipated need for annual inspection of the Alamitos Road culvert, and periodic vegetation and/or debris removal upstream and downstream of the culvert.

USEFUL LIFE: 50+ Years

Project	**Pond A8 Applied Study Final Design and Construction**
Program	Water Resources Stewardship – Environmental Enhancement
Priority No.	46
Project No.	62044020
District Contact	Katherine Oven koven@valleywater.org



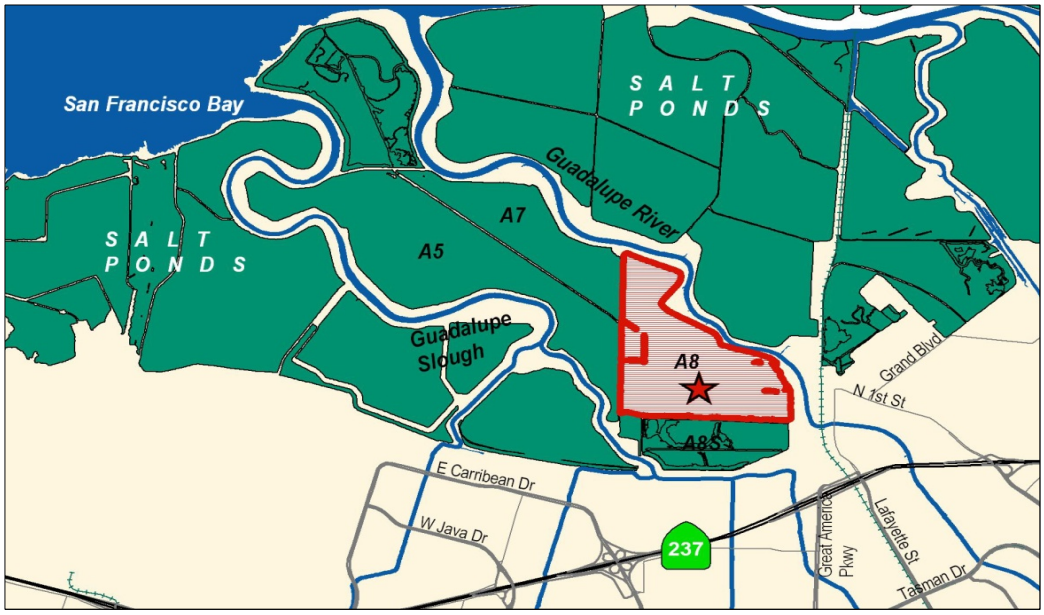
View from Southeast corner of Pond A8, looking Northwest

PROJECT DESCRIPTION

This project constructs a pilot project at Pond A8 that provides a reversible tidal connection between a former salt pond and Alviso Slough. This project will convert Pond A8 from its previous use for salt production to a muted or fully tidal condition, resulting in the restoration of up to 200 acres of tidal wetland habitat, and will accomplish the following objectives:

- Restore tidal influence to and wetland habitat in and adjacent to Pond A8
- Develop and implement a data collection program to inform management of the observed effects of mercury transport and mercury methylation due to the reversible tidal connection.
- Develop a preferred operational approach and prepare plans and drawings for conversion of the pond.
- Develop and implement a data collection program to evaluate changes in water quality and sediment quality, evaluate changes in bioaccumulation of mercury, and refine indicators to predict changes in mercury in the food web.

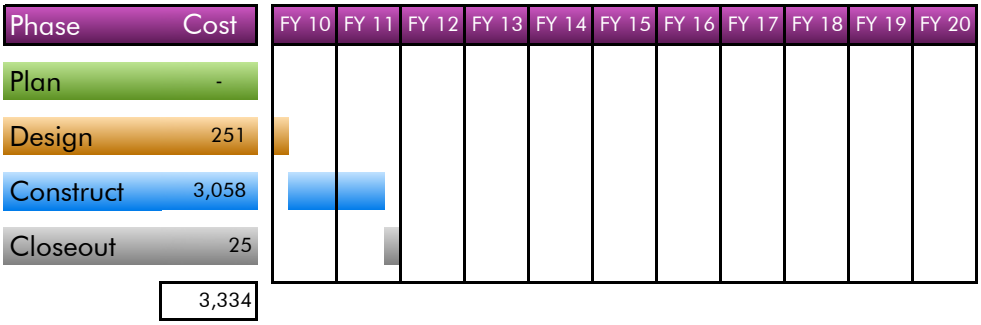
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to June 2011

Planning and some design activities were funded by the San Francisco Bay Shoreline Project (00044026)



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Pond A8 Applied Study Final Design and Construction	154	2,712	468	0	0	0	0	0	3,334
with inflation	154	2,712	468	0	0	0	0	0	3,334

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Pond A8 Applied Study Final Design and Construction	3,048	267	449	19	0	0	0	0	0	3,334

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	1,409
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	100
State Water Resources Control Board	1,125
California Costal Conservancy, ARRA Stimulus	700
Total	**3,334**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $10,000 per year, beginning in FY 2012, for ongoing operations and maintenance of the reversible tidal connection structure. Annual cross section survey of the Alviso Slough to evaluate the tidal action impact on the slough cross section will be done by the district, in accordance with the memorandum of understanding with US Fish and Wildlife Service.

USEFUL LIFE: 50 Years

Project	**Dam Maintenance Mitigation Program**
Program	Water Resources Stewardship – Mitigation
Priority No.	99
Project No.	91084018
District Contact	Keith Whitman kwhitman@valleywater.org



Settings such as this will be used for Habitat Preservation. Actual locations will differ.

PROJECT DESCRIPTION

This project preserves and/or restores habitat for California Tiger Salamander, Red Legged Frog and sensitive serpentine plants on lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

- Provide 80 acres of Dam Maintenance Program mitigation credits through preservation and/or restoration in Santa Clara County to provide long-term protection of unique and valuable resources in a largely self-sustaining setting. These credits will offset impacts on habitats that are known to support California red-legged frogs, California tiger salamanders, wetlands, serpentine plants as well as other sensitive plants.
- Perform baseline biological studies in order to determine potential credits of prospective land parcels.

PROJECT LOCATION

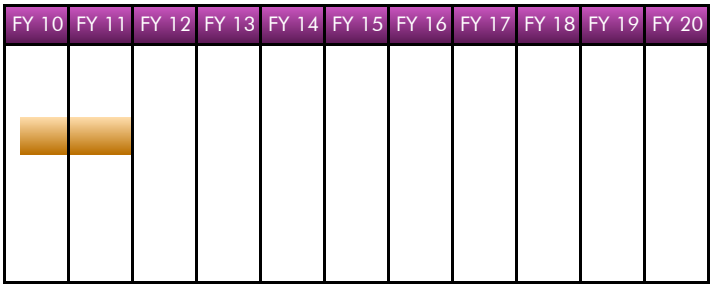
The project will purchase multiple sites for preservation in Santa Clara Basin as they become available.
No map is provided.

SCHEDULE & STATUS

April 2004 to May 2011

Due to the nature of this project, traditional planning is not applicable. Land acquisition is shown in the design phase, and restoration of site habitat will be shown in the construction phase.

Phase	Cost
Plan	-
Design	3,080
Construct	-
Closeout	0
	3,080



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Dam Maintenance Mitigation Program	0	50	2,950	80	0	0	0	0	3,080
with inflation	0	50	2,950	87	0	0	0	0	3,087

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Dam Maintenance Mitigation Program	0	3,000	2,950	0	87	0	0	0	0	3,087

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,087
Other Funding Source	0
Total	**3,087**

OPERATING COST IMPACTS

Operating costs will vary, depending on the type of acquisition ownership and requirements for maintenance of each site. Once the sites have been identified, operating costs will be determined based on the existing conditions and maintenance identified for each site.

USEFUL LIFE: 50+ Years

Project	**Ogier Ponds Separation from Coyote Creek**
Program	Water Resources Stewardship – Mitigation
Priority No.	99
Project No.	92C40297
District Contact	Katherine Oven koven@valleywater.org



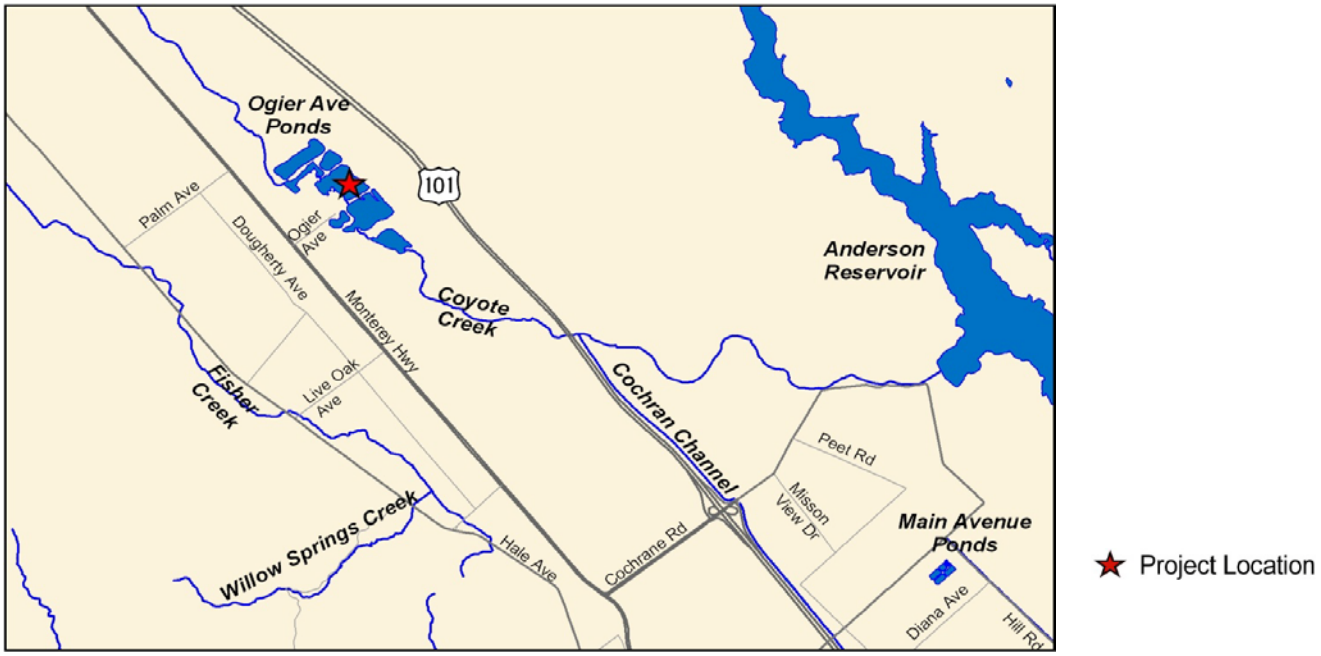
Ogier Pond complex looking downstream. Coyote Creek enters the lower right corner. The pond is bordered by Coyote Creek Trail on the right, and a cherry orchard on the left.

PROJECT DESCRIPTION

This project plan, designs, and constructs improvements to separate Ogier Ponds from Coyote Creek where they meet, approximately 3,800 feet upstream of Ogier Avenue in San Jose, to meet the following objectives:

- Meet regulatory requirements for implementation of the Dam Maintenance Program so the District can continue to maintain adequate water supply for Santa Clara Valley residents.
- Eliminate the temperature and predation traps and improve passage for Chinook salmon and steelhead.
- Preserve the existing open water habitat.
- Minimize impacts to the future recreational uses being planned by Santa Clara County.

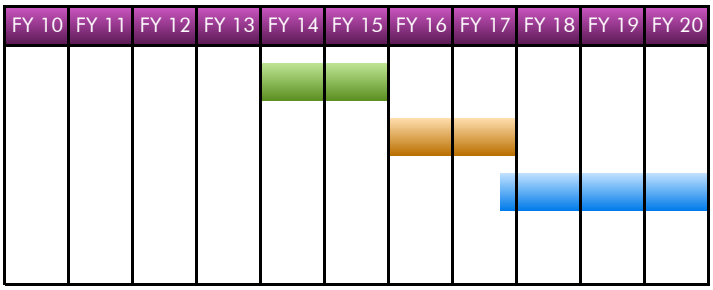
PROJECT LOCATION



SCHEDULE & STATUS

July 2013 to June 2022

Phase	Cost
Plan	824
Design	2,934
Construct	6,311
Closeout	10
	10,079



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Ogier Ponds Separation from Coyote Creek	0	0	0	0	0	412	412	9,255	10,079
with inflation	0	0	0	0	0	488	509	12,348	13,344

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Ogier Ponds Separation from Coyote Creek	0	0	0	0	0	0	488	509	12,348	13,344

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,344
Other Funding Source	0
Total	**13,344**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs for routine maintenance of the channel. The amount of the increase will be developed in the design phase, when adequate information on the staff-recommended alternative is available.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Laguna Seca Freshwater Wetland**
Program	Water Resources Stewardship – Mitigation
Priority No.	99
Project No.	00044030
District Contact	Katherine Oven koven@valleywater.org



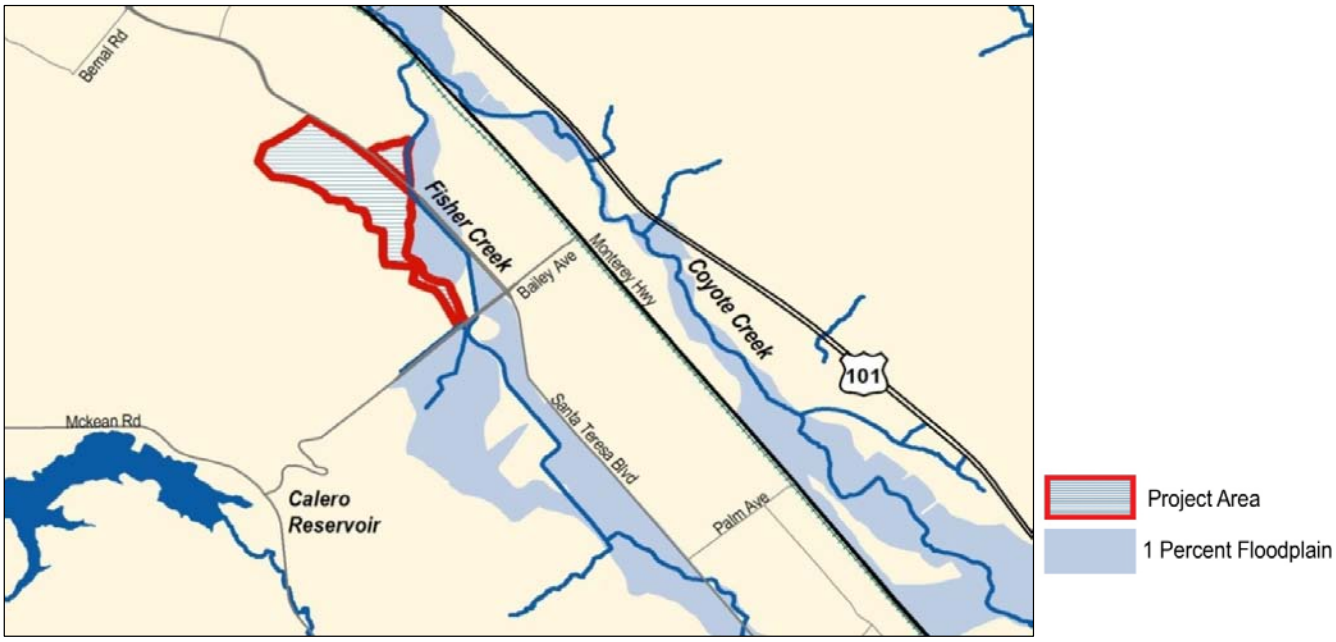
Ponding at Laguna Seca Wetland Site in February 2007

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Coyote Valley Research Park detention basin, formerly known as the Laguna Seca wetland site (located in San Jose, where Fisher Creek intersects Santa Teresa Boulevard, north of Bailey Avenue) to accomplish the following objectives:

- Meet the regulatory mitigation requirements for implementation of the Stream Maintenance Program (SMP) to allow the District to continue maintaining flood protection for Santa Clara Valley residents.
- Create approximately 30 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.

PROJECT LOCATION

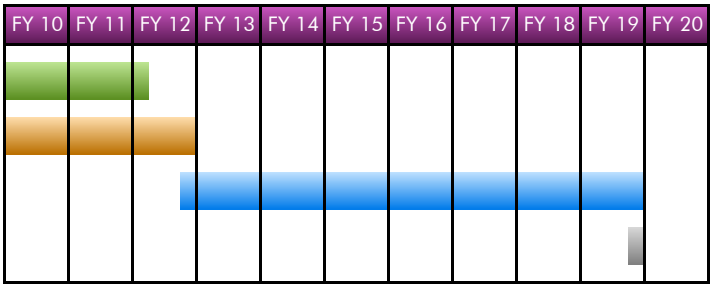


SCHEDULE & STATUS

July 2007 to June 2019

Construction includes 1 year grading, 3 years phased planting, and 3 years plant establishment.

Phase	Cost
Plan	1,327
Design	921
Construct	14,540
Closeout	27
	16,815



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
SMP Mitigation, Laguna Seca Freshwater Wetland	935	93	876	11,806	882	584	584	1,056	16,816
with inflation	935	93	876	12,774	998	691	721	1,417	18,504

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
SMP Mitigation, Laguna Seca Freshwater Wetland	1,418	7,283	7,673	0	5,977	998	691	721	1,417	18,504

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	18,504
Other Funding Source	0
Total	18,504

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be available upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Pajaro Basin Freshwater Wetland**
Program	Water Resources Stewardship – Mitigation
Priority No.	99
Project No.	62754001
District Contact	Katherine Oven koven@valleywater.org



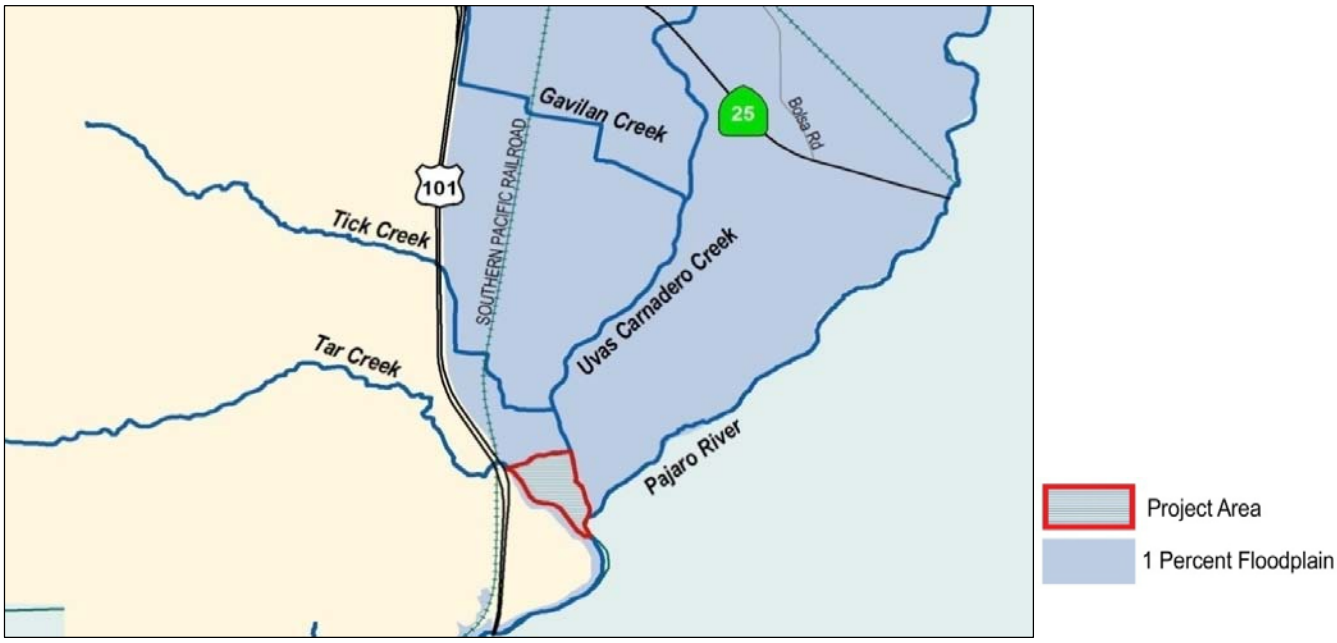
Pajaro Basin. View looking upstream across wetland towards Tar and Uvas-Carnadero Creeks, April 2009.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to create a freshwater wetland in the Pajaro Basin. The project is located on the District's Carnadero Preserve, approximately two miles south of Gilroy. The project will accomplish the following objectives:

- Provide freshwater wetland habitat to meet the District's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Pajaro Basin.
- Provide 4 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

PROJECT LOCATION

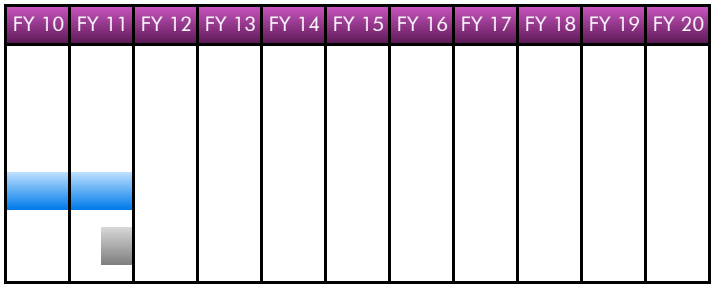


SCHEDULE & STATUS

July 2002 to June 2011

Planning phase is complete.
Design phase is complete.
Construction includes 5 years of mitigation compliance monitoring.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	0



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
SMP Mitigation, Pajaro Basin Freshwater Wetland	4,111	270	297	0	0	0	0	0	4,678
with inflation	4,111	270	297	0	0	0	0	0	4,678

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
SMP Mitigation, Pajaro Basin Freshwater Wetland	4,607	0	226	71	0	0	0	0	0	4,678

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	4,678
Other Funding Source	0
Total	**4,678**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $48,000 per year, beginning in FY 2012, for removing invasive vegetation and monitoring plant establishment.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation Stream and Watershed Land Preservation**
Program	Water Resources Stewardship – Mitigation
Priority No.	99
Project No.	62184001
District Contact	Katherine Oven koven@valleywater.org



Creek-side settings such as this will be used for Stream and Watershed Land Preservation. Actual locations will differ.

PROJECT DESCRIPTION

This project preserves streams and watershed lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

- Provide 71 acres of Stream Maintenance Program (SMP) mitigation credits through preservation of approximately 720 to 950 acres of streams and watershed lands to provide long-term protection of unique and valuable local stream resources and watersheds, in a largely self-sustaining setting. Approximately 108 acres of the total land preservation will be for protection of riparian and upland habitats that are known to support California red-legged frogs and Western pond turtles.
- Provide approximately 10 acres of SMP mitigation credits through environmental restoration on the lands acquired.
- Seek opportunities to partner with other organizations to accomplish the project objectives.

PROJECT LOCATION

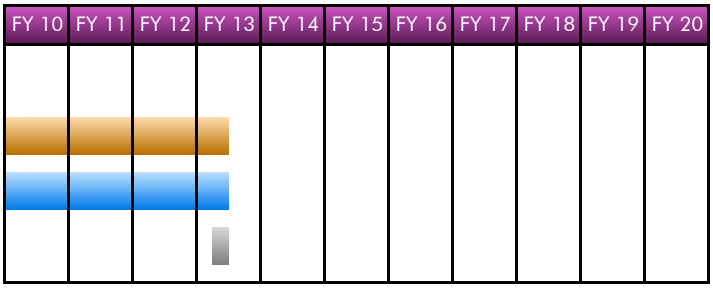
The project will purchase multiple sites for preservation in Santa Clara Basin as they become available.
No map is provided.

SCHEDULE & STATUS

April 2004 to December 2012

Due to the nature of this project, traditional planning is not applicable. Land acquisition is shown in the design phase, with restoration of site habitat shown in the construction phase.

Phase	Cost
Plan	79
Design	6,881
Construct	1,248
Closeout	50
	8,258



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
SMP Mitigation Stream and Watershed Land Preservation	2,142	1,550	2,331	2,185	50	0	0	0	8,258
with inflation	2,142	1,550	2,331	2,377	57	0	0	0	8,457

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
SMP Mitigation Stream and Watershed Land Preservation	8,633	0	4,941	0	0	0	0	0	0	8,633

Project funding exceeds planned expenditures by approximately $176,000. Excess funding will roll to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	8,633
Other Funding Source	0
Total	**8,633**

OPERATING COST IMPACTS

Operating cost will vary, depending on the type of acquisition ownership and requirements for maintenance of each site. The Stevens Canyon Ranch Conservation Easement was acquired in December 2006 and there are no operating impacts to the District. The property owner, Mid-Peninsula Regional Open Space District is responsible for maintenance and management of the site.

USEFUL LIFE: 50+ Years

Project	**Alviso Slough Restoration**
Program	Water Resources Stewardship
Priority No.	24
Project No.	30154029s
District Contact	Katherine Oven koven@valleywater.org



Alviso Slough as seen from Gold Street Bridge

PROJECT DESCRIPTION

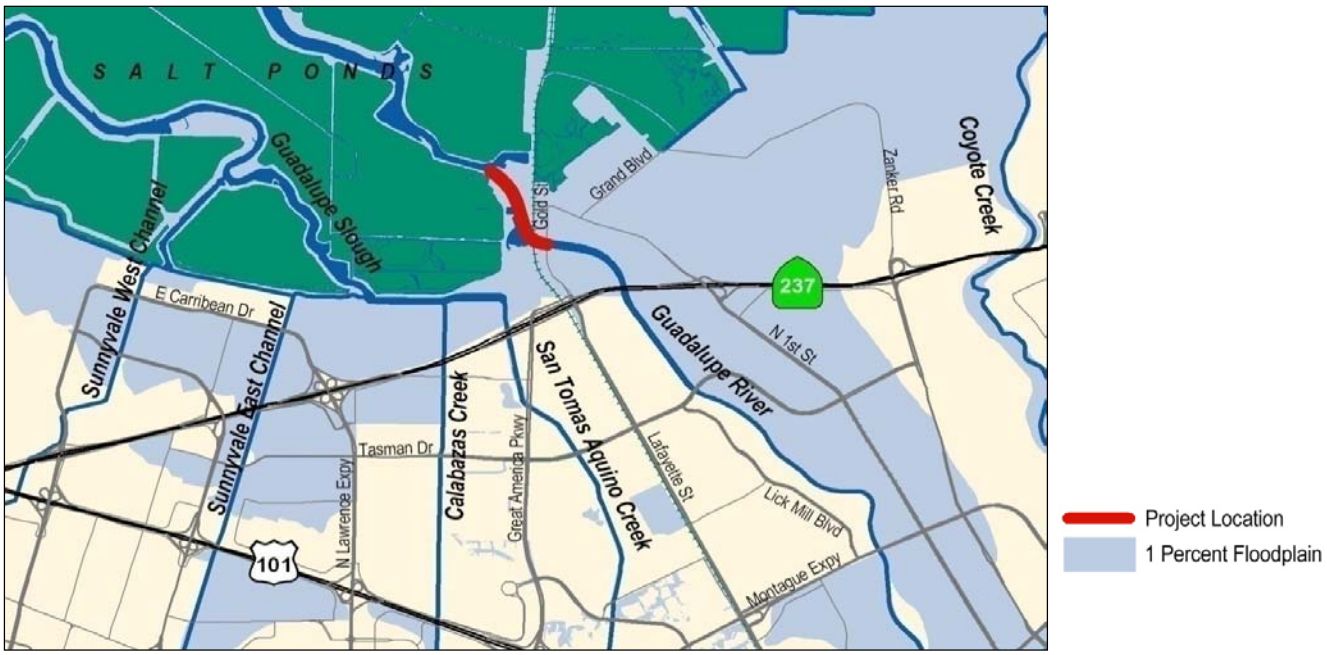
This project plans, designs and provides for rthe removal of vegetation over 3.7 acres, and dredging within that same footprint to a depth of 8 feet from Alviso Slough between the Gold Street Bridge and County Marina to accomplish the following objectives:

- Restore the slough's open water channel width to conditions that existed prior to 1983.
- Improve navigation so the community can expand on boating and other recreational opportunities.
- Restore historic and public access and aesthetics for the Alviso community.
- Maintain one-percent flood protection in Alviso Slough.
- Reduce mosquito nuisance.
- Expand open water habitat and inundated mudflat habitat of the slough.
- Promote integration with the Salt Pond Restoration Program to bring salt water connections to the Lower Guadalupe River.

This project is accounted for in the following job numbers:

- 30154029—Alviso Slough Restoration, Planning
- 30154030—Alviso Slough Restoration, Design and Construction

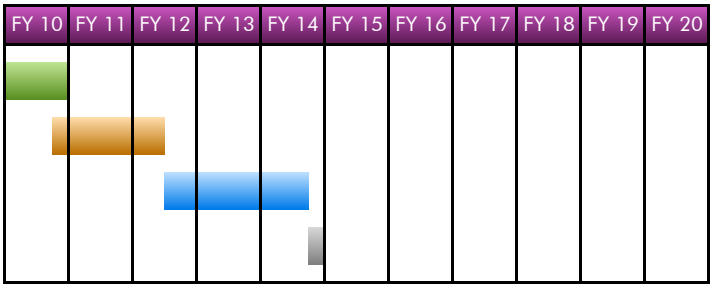
PROJECT LOCATION



SCHEDULE & STATUS

November 2004 to January 2012

Phase	Cost
Plan	2,818
Design	1,628
Construct	9,293
Closeout	11
	13,750



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Alviso Slough Restoration - Planning	2,760	194	0	0	0	0	0	0	2,954
with inflation	2,760	194	0	0	0	0	0	0	2,954
Alviso Slough Restoration - Design & Construct	0	214	295	983	9,027	277	0	0	10,796
with inflation	0	214	295	1,069	10,156	327	0	0	12,062
TOTAL	2,760	408	295	983	9,027	277	0	0	13,750
with inflation	2,760	408	295	1,069	10,156	327	0	0	15,016

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Alviso Slough Restoration - Planning	2,813	141	0	0	0	0	0	0	0	2,954
Alviso Slough Restoration - Design & Construct	0	474	260	354	750	10,156	327	0	0	12,061
TOTAL	2,813	615	260	354	750	10,156	327	0	0	15,015

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	15,015
Other Funding Source	0
Total	**15,015**

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**Gold Street Educational Center**
Program	Water Resources Stewardship
Priority No.	8
Project No.	30154028
District Contact	Katherine Oven koven@valleywater.org



Proposed location of the Gold Street Educational Center on State Lands Commission property adjacent to the Guadalupe River.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Gold Street, adjacent to the Guadalupe River in Alviso, to provide an outdoor educational center for the Alviso community that may incorporate the following elements:

- Interpretive displays.
- Landscaping with native vegetation.
- A trailhead that links to recreation trails.

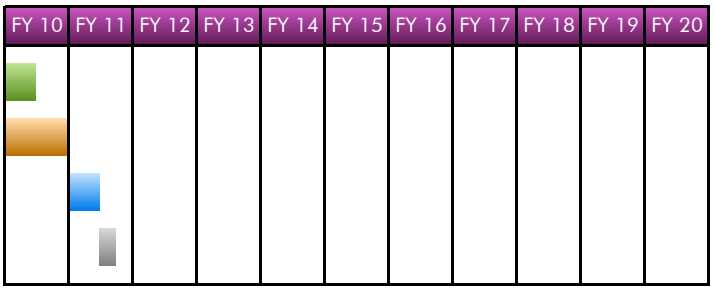
PROJECT LOCATION



SCHEDULE & STATUS

December 2004 to February 2011

Phase	Cost
Plan	271
Design	401
Construct	634
Closeout	10
	1,316



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Gold Street Educational Center	531	691	94	0	0	0	0	0	1,316
with inflation	531	691	94	0	0	0	0	0	1,316

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Gold Street Educational Center	680	829	287	0	0	0	0	0	0	1,509

Adjusted Budget includes adopted budget plus approved budget adjustments. Total funding is approximately $193,000 more than planned expenditures. The unspent funding will be returned to reserves by budget adjustment, as soon as possible.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	1,509
Other Funding Source	0
Total	**1,509**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	**Regnart Creek Stream Stabilization, Bubb to Stelling Roads**
Program	Water Resources Stewardship
Priority No.	29
Project No.	20C40316
District Contact	Katherine Oven koven@valleywater.org



Erosion on Regnart Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs erosion repairs along approximately 3,320 feet of Regnart Creek, from Bubb Road to Stelling Road, to accomplish the following objectives:

- Minimize impacts to adjacent homes and roads from bank erosion and channel incision.
- Improve water quality in Regnart Creek by reducing sediment deposition from bank erosion and channel incision.

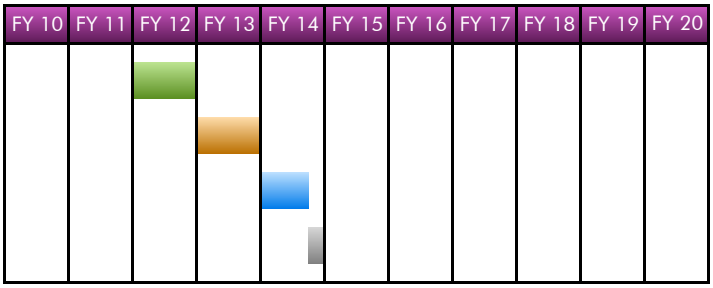
PROJECT LOCATION



SCHEDULE & STATUS

July 2011 to June 2014

Phase	Cost
Plan	468
Design	350
Construct	1,330
Closeout	10
	2,158



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Regnart Creek Stream Stabilization, Bubb to Stelling Roads	0	0	0	468	350	1,340	0	0	2,158
with inflation	0	0	0	509	397	1,568	0	0	2,474

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Regnart Creek Stream Stabilization, Bubb to Stelling Roads			0	0	509	397	1,568	0	0	2,474

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,474
Other Funding Source	0
Total	**2,474**

OPERATING COST IMPACTS

Operating cost impacts will be determined during the design phase.

USEFUL LIFE: 30+ Years

Project	**Thompson Creek Stream Stabilization, Quimby to Aborn Roads**
Program	Water Resources Stewardship
Priority No.	39
Project No.	62214001
District Contact	Katherine Oven koven@valleywater.org



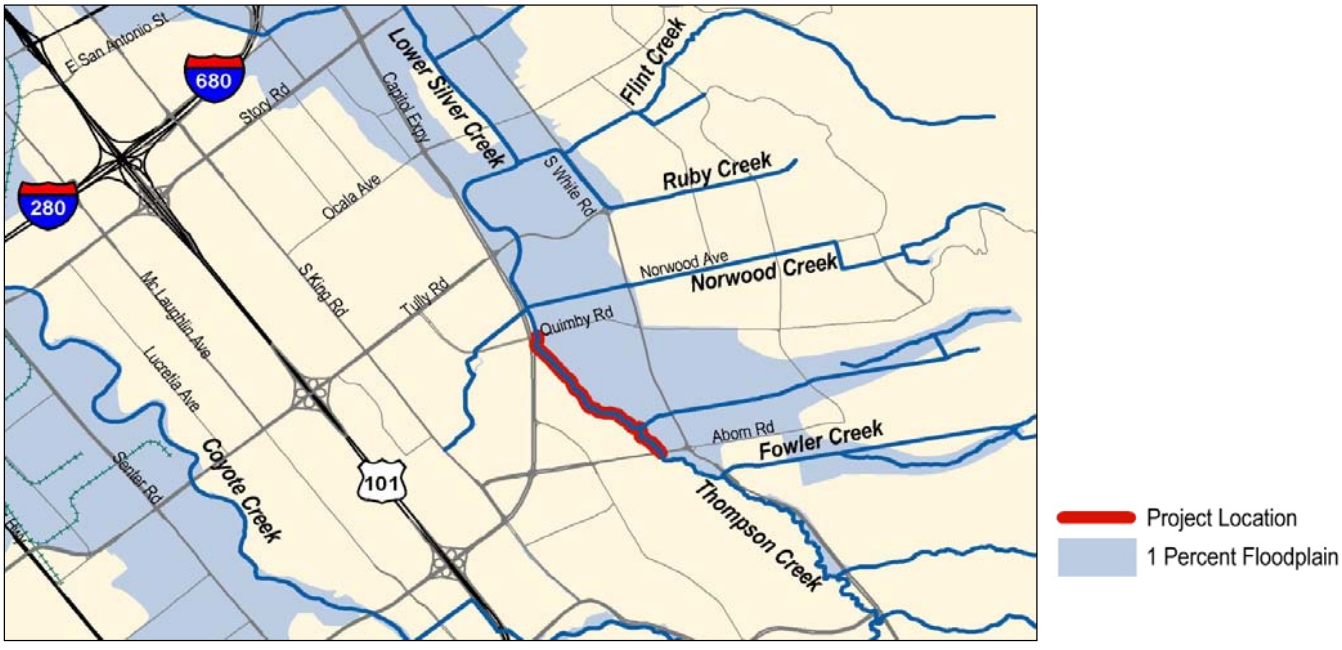
Severe bank erosion and undercutting of mature riparian habitat, results in significant sedimentation in downstream reaches of Thompson Creek.

PROJECT DESCRIPTION

This project coordinates with the U.S. Army Corps of Engineers under the Aquatic Ecosystem Restoration Program (Section 206 Program) to plan, design, and construct improvements along 1.2 miles of Thompson Creek, from Quimby Road to Aborn Road, and accomplishes the following objectives:

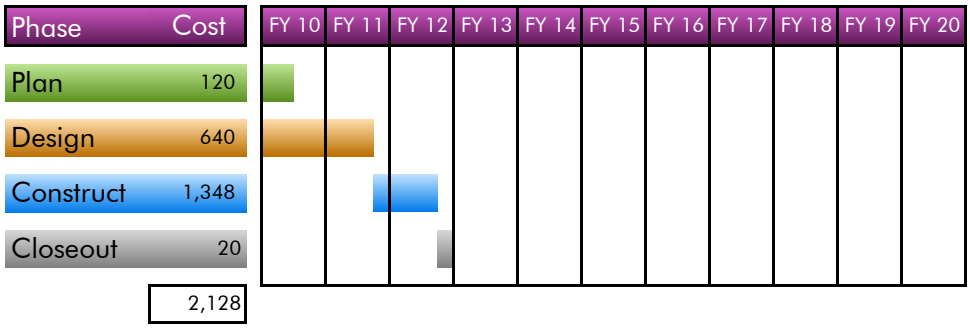
- Restore the low-flow channel to an equilibrium state.
- Restore riparian habitat adjacent to the low-flow channel.
- Improve water quality and provide diverse stream channel habitats.
- Provide erosion protection along the creek.
- Identify enhancement opportunities.

PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Thompson Creek Stream Stabilization, Quimby to Aborn Roads	90	119	1,794	125	0	0	0	0	2,128
with inflation	90	119	1,794	136	0	0	0	0	2,139

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Thompson Creek Stream Stabilization, Quimby to Aborn Roads	2,256	0	2,047	0	0	0	0	0	0	2,256

Total funding exceed planned expenditures by $117,000.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,256
Other Funding Source	0
Total	**2,256**
Federal Partner—Corps of Engineers	4,415

Of the total project cost, the Corps of Engineers will cost-share 65 percent, up to $5 million.

OPERATING COST IMPACTS

Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

BUILDINGS AND GROUNDS OVERVIEW

The District's Almaden-Winfield campus occupies nearly 50 acres along Almaden Expressway in the City of San Jose. The District manages the campus to ensure a healthful and safe work environment for employees and visitors. The campus includes 10 buildings, multiple parking lots, a corporation yard, landscaping, and other appurtenances.

With most of the buildings on campus over 30 years old, the rehabilitation needs increased steadily in recent years. The District administers an asset management program for its buildings and grounds infrastructure that includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Major Capital Improvements Identified in the CIP

- Almaden & Winfield Campus Small Capital Improvements

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the buildings and grounds projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for buildings and grounds capital improvements was conducted to determine if there are limitations to funding all the proposed capital projects.

- Watershed and Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the higher priority buildings and grounds capital needs can be met.

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

The following table is a project funding schedule for buildings and grounds capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2009-10.

Buildings and Grounds Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
60204016	Almaden and Winfield Campus, Small Capital Improvements	n/a	2,084	-	2,086	2,176	2,269	2,367	2,469	14,029	27,480
93234038s	Telephones at Treatment Plants and Vasona	1,918	139	136	-	-	-	-	-	-	2,057
	TOTAL	1,918	2,223	136	2,086	2,176	2,269	2,367	2,469	14,029	29,537

FY 2009-10 Funds to be reappropriated

The following table shows funding requirements from each funding source for buildings and grounds capital improvements.

Buildings and Grounds – Funding Sources ($K)

FUNDING SOURCES	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
Water Enterprise Fund	1,918	139	136	-	-	-	-	-	-	2,057
General Fund	n/a	2,084	-	2,086	2,176	2,269	2,367	2,469	14,029	27,480
TOTAL	1,918	2,223	136	2,086	2,176	2,269	2,367	2,469	14,029	29,537

FY 2009-10 Funds to be reappropriated

Project	**Almaden and Winfield Campus, Small Capital Improvements**
Program	Buildings and Grounds
Priority No.	68
Project No.	60204016
District Contact	Katherine Oven koven@valleywater.org

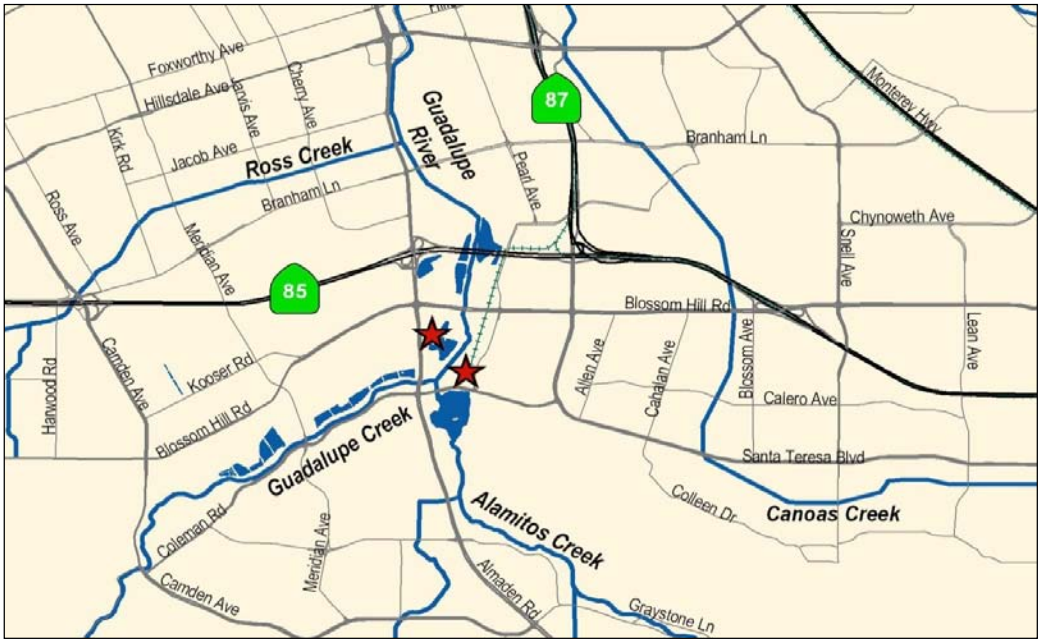


Workers perform asphalt maintenance by putting an overlay on the existing parking lot in front of the District's Administration Building.

PROJECT DESCRIPTION

This project reserves funding for capital maintenance and replacement of buildings, grounds, and facilities on the Almaden and Winfield campus, to provide a healthy and safe environment for staff and visitors.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

Improvements will be managed on an as-needed basis throughout the year.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	0

FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,084	2,086	2,000	2,000	2,000	2,000	10,000	22,170
with inflation	n/a	2,084	2,086	2,176	2,269	2,367	2,469	14,030	27,480

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,084	0	2,086	2,176	2,269	2,367	2,469	14,030	27,480

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	27,480
Other Funding Source	0
Total	**27,480**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. The purpose of these maintenance projects is to avoid unnecessary financial impact cause by building shut-down and work stoppage.

USEFUL LIFE:

Not Available

Project	**Telephones at Treatment Plants and Vasona**
Program	Buildings and Grounds
Priority No.	33
Project No.	93234033s
District Contact	Bill Knoff bknoff@valleywater.org



An example of existing telecommunication cross-connects at District facilities

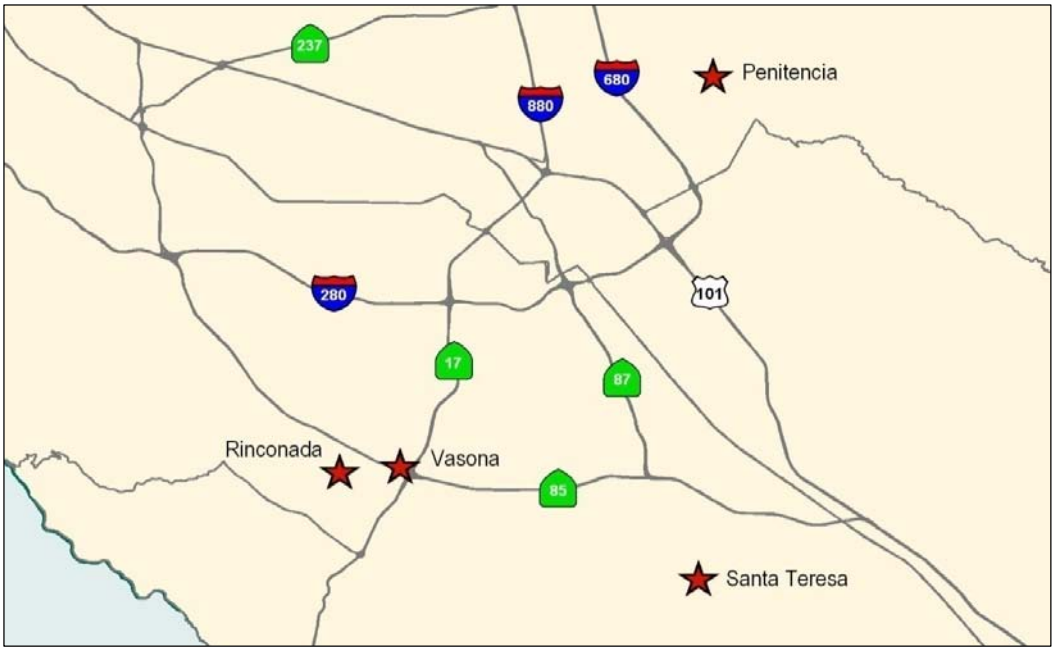
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace and update existing 18- to 29-year-old telecommunications equipment with expanded service capacity at the Penitencia Water Treatment Plant (PWTP), Santa Teresa Water Treatment Plant (STWTP), Rinconada Water Treatment Plant (RWTP), and Vasona Pumping Station, Meter Shop, and Pilot Plant.

This project is accounted for in the following job numbers:

- 93234038—Telephones at PWTP
- 93294040—Telephones at RWTP
- 93284033—Telephones at STWTP
- 93264001—Telephones at Vasona

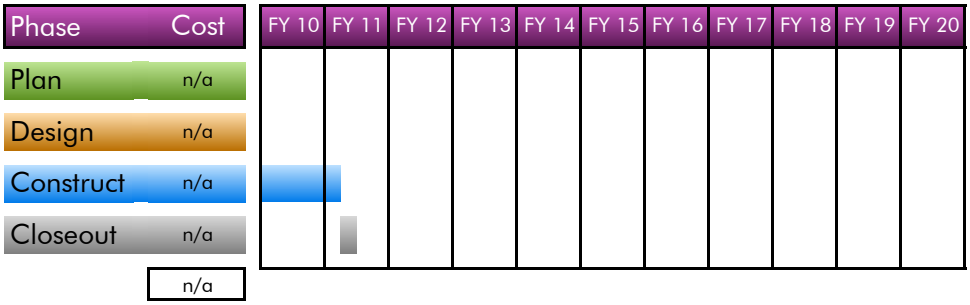
PROJECT LOCATION



PROJECT SCHEDULE

March 2004 to November 2010

Planning Phase is complete. Telephones at PWTP and STWTP were completed in FY 2008.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Telephones at Penitencia WTP	84	0	0	0	0	0	0	0	84
with inflation	84	0	0	0	0	0	0	0	84
Telephones at Rinconada WTP	204	775	100	0	0	0	0	0	1,079
with inflation	204	775	100	0	0	0	0	0	1,079
Telephones at Santa Teresa WTP	319	0	0	0	0	0	0	0	319
with inflation	319	0	0	0	0	0	0	0	319
Telephones at Vasona	144	395	36	0	0	0	0	0	575
with inflation	144	395	36	0	0	0	0	0	575
TOTAL	**751**	**1,170**	**136**	**0**	**0**	**0**	**0**	**0**	**2,057**
with inflation	**751**	**1,170**	**136**	**0**	**0**	**0**	**0**	**0**	**2,057**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Telephones at Penitencia WTP	84	0	0	0	0	0	0	0	0	84
Telephones at Rinconada WTP	1,001	78	100	0	0	0	0	0	0	1,079
Telephones at Santa Teresa WTP	319	0	0	0	0	0	0	0	0	319
Telephones at Vasona	514	61	36	0	0	0	0	0	0	575
TOTAL	**1,918**	**139**	**136**	**0**	**0**	**0**	**0**	**0**	**0**	**2,057**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,057
Other Funding Source	0
Total	**2,057**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $18,000 per year, beginning in FY 2009, for maintenance contracts on the new systems.

USEFUL LIFE: 10 Years

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

INFORMATION TECHNOLOGY OVERVIEW

The District manages a sophisticated information technology system to ensure the District's intellectual property, information, and files are protected from loss or significant damage. In 2001, the District completed the Information System Master Plan (ISMP). Significant progress has been made toward meeting the goals and objectives of the ISMP since that time, in particular, the implementation of an Enterprise Resource System. The District administers an asset management program for its existing information technology system. The program includes a schedule for maintenance and rehabilitation to ensure that each system functions as intended over its useful life."

Major Capital Improvements Identified in the CIP

- Water Resources Information System
- Computerized Maintenance Management System
- Microwave Telecommunications System Upgrade
- Radio Repeater System Infill

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the information technology projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for information technology capital improvements was conducted to determine if there are limitations to funding all the planned capital projects.

- Watershed and Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the higher priority information technology needs can be met.

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for information technology capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2009-10.

Information Technology Capital Improvements ($K)

Project Number	PROJECT NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
60274057	ISMP Water Resource Information System	2,986	74	18	-	-	-	-	-	-	3,060
94084006	Microwave Telecommunications System	2,548	312	-	63	22	-	-	-	-	2,945
60274061	PeopleSoft System Upgrade	1,342	-	288	-	-	-	-	-	-	1,342
00024005	Radio Repeater System Infill	626	-	395	17	400	-	-	-	-	1,043
	TOTAL	7,502	386	701	80	422	-	-	-	-	8,390

FY 2009-10 Funds to be reappropriated

The following table shows funding requirements from each funding source for information technology capital improvements.

Information Technology – Funding Sources ($K)

FUNDING SOURCES	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
Water Enterprise Fund	6,566	386	362	71	210	-	-	-	-	7,233
Watershed Stream Stewardship Fund	936	-	339	9	212	-	-	-	-	1,157
TOTAL	7,502	386	701	80	422	-	-	-	-	8,390

FY 2009-10 Funds to be reappropriated

Project	**ISMP Water Resource Information System**
Program	Information Technology
Priority No.	50
Project No.	60274057
District Contact	Keith Whitman kwhitman@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project develops and implements a new Water Resource Information System (WRIS), as defined in the Information Systems Master Plan (ISMP), to accomplish the following objectives:

- Develop a new WRIS that uses current technology and can be adequately supported by the vendor and the District's Information Management Division.
- Provide user interface that is easy to use and streamlines daily tasks.

PROJECT LOCATION

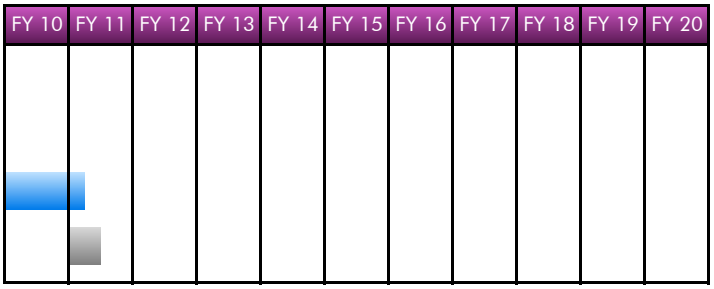
No map is provided for this project.

SCHEDULE & STATUS

August 2004 to September 2010

Planning Phase is complete.
Design Phase is complete.

Phase	Cost
Plan	316
Design	774
Construct	1,952
Closeout	15
	3,057



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
ISMP Water Resource Information System	2,822	220	15	0	0	0	0	0	3,057
with inflation	2,822	220	16	0	0	0	0	0	3,058

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
ISMP Water Resource Information System	2,986	74	18	0	0	0	0	0	0	3,060

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,060
Other Funding Source	0
Total	3,060

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2011, for software maintenance costs.

USEFUL LIFE: 10 Years

Project	**Microwave Telecommunications System**
Program	Information Technology
Priority No.	30
Project No.	94084006
District Contact	Will Hutchinson cwang@valleywater.org



Microwave tower at the County Communications Center

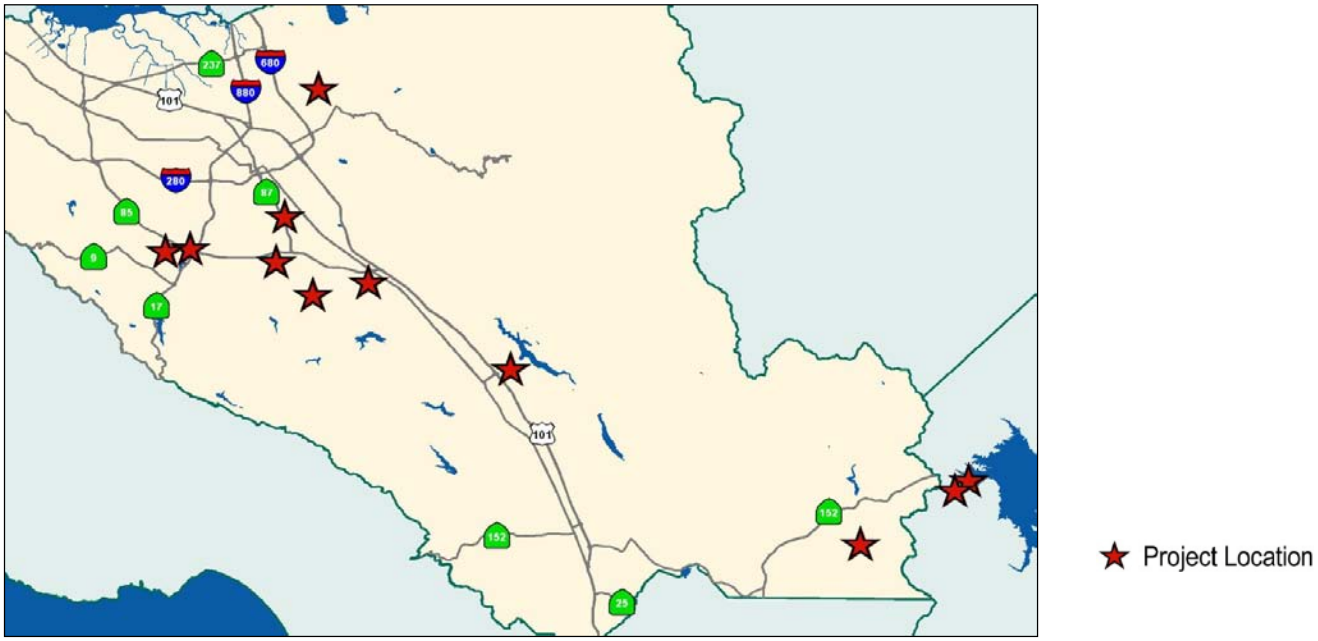
PROJECT DESCRIPTION

This project plans, designs, and installs microwave links at thirteen district sites to accomplish the following objectives:

- Expand the abilities of public agencies in Santa Clara County to communicate with each other quickly and securely during day-to-day operations, large-scale events, and regional disasters.
- Implement a countywide digital microwave network as the primary mechanism for real-time data delivery between network participant public safety interoperability applications.
- Provide reliable, high-speed, dedicated data links between mission critical facilities and the main district campus.

This project will be constructed in two phases. The first phase is all sites from Coyote Pump Station north. The second phase is the connection south to the City of Gilroy and to Pacheco Pump Station.

PROJECT LOCATION

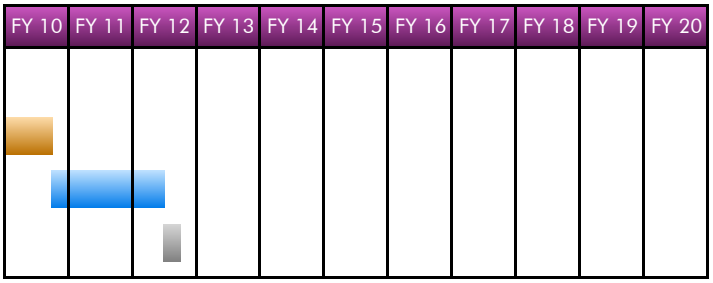


PROJECT SCHEDULE

July 2008 to February 2012

Planning Phase was done under a separate project. Installation is shown in the construction phase.

Phase	Cost
Plan	-
Design	143
Construct	2,780
Closeout	20
	2,943



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY09	FY10	FY11	FY12	FY13	FY14	FY15	Future	
Microwave Telecommunication	60	2,800	63	20	0	0	0	0	2,943
with inflation	60	2,800	63	22	0	0	0	0	2,945

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY09	FY10		FY11	FY12	FY13	FY14	FY15	Future	
Microwave Telecommunication	2,548	312	0	63	22	0	0	0	0	2,945

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,945
Other Funding Source	0
Total	2,945

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $100,000 per year, beginning in FY 2012, by eliminating the cost of third-party telecommunications circuits.

USEFUL LIFE: 25 Years

Project	**PeopleSoft System Upgrade**
Program	Information Technology
Priority No.	31
Project No.	60274061
District Contact	Charles Wang cwang@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project plans and implements the financial and human resources 9.0 upgrade of PeopleSoft software to accomplish the following objectives:

- Provide enhanced processing, lower systems maintenance, and enhanced human resources features.
- Provide the necessary launch pad for potential conversion to the PeopleSoft Fusion product.
- Implement additional modules to support district business needs.

PROJECT LOCATION

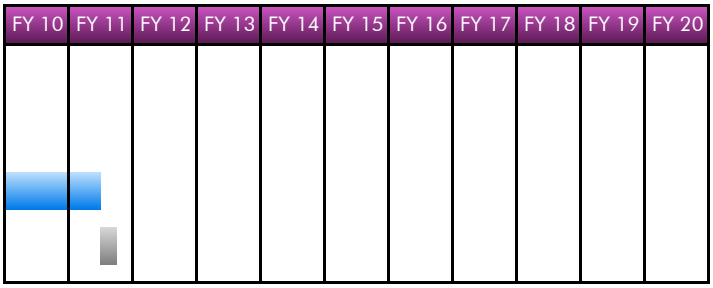
No map is provided for this project.

SCHEDULE & STATUS

July 2006 to March 2011

Planning phase is complete. Design phase is not applicable to this project. Project Implementation is shown as the Construction Phase.

Phase	Cost
Plan	114
Design	34
Construct	1,157
Closeout	10
	1,315



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
PeopleSoft System Upgrade	710	344	261	0	0	0	0	0	1,315
with inflation	710	344	261	0	0	0	0	0	1,315

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
PeopleSoft System Upgrade	1,342	0	288	0	0	0	0	0	0	1,342

Project funding exceeds planned expenditures by approximately $27,000. Excess funding will roll to fund reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–45%	604
SCVWD Water Utility Enterprise Fund–55%	738
Total	**1,342**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs, unless new software licenses are required. If a new software license is required, it could increase annual maintenance by $5,000.

USEFUL LIFE: 10 Years

Project	**Radio Repeater System Infill**
Program	Information Technology
Priority No.	44
Project No.	00024005
District Contact	Charles Wang cwang@valleywater.org



Radio tower at County Communications Center

PROJECT DESCRIPTION

The District's Radio system was originally constructed in 1986. This project studies the extent of repeater and receiver system infill and considers existing antenna sites that are available through the county, cities, and other public agencies to accomplish the following objectives:

- Expand the district's ability to communicate quickly and securely with Santa Clara County public agencies during day-to-day operations, large-scale events, and regional disasters.
- Increase reliability, availability, and performance of the county-wide radio system.
- Coordinate response from multiple agencies to an event by talking to users on common 700 MHz radio channels.
- Recommend new operational procedures to increase the level of emergency preparedness.

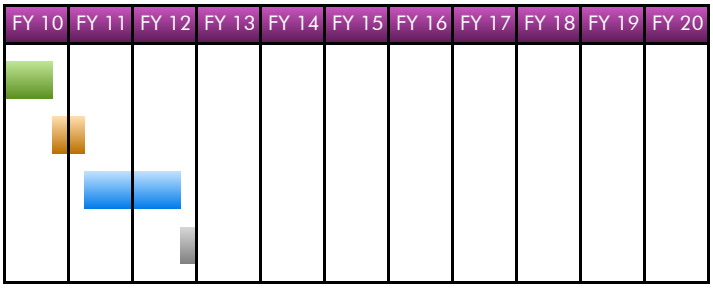
PROJECT LOCATION

Specific sites for this project have not been determined.

SCHEDULE & STATUS

July 2008 to April 2012

Phase	Cost
Plan	231
Design	55
Construct	707
Closeout	20
	1,013



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Radio Repeater System Infill	11	220	412	370	0	0	0	0	1,013
with inflation	11	220	412	400	0	0	0	0	1,043

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY09**	**FY10**		**FY11**	**FY12**	**FY13**	**FY14**	**FY15**	**Future**	
Radio Repeater System Infill	626	0	395	17	400	0	0	0	0	1,043

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–53%	553
SCVWD Water Utility Enterprise Fund–47%	490
Total	**1,043**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 15 Years

FINANCIAL PLANNING AND SUMMARY

CIP FINANCIAL PLANNING

Board policy regarding financial planning and budgeting provides the foundation for CIP financial planning. The policy states:

Executive Limitation EL-4, "Financial planning for any fiscal year or the remaining part of any budget period shall not deviate materially from the Board's Ends priorities, risk fiscal jeopardy, or fail to be derived from a multiyear plan."

> Executive Limitation EL-4.1., "The CEO shall not fail to include credible projection of revenues and expenses, separation of capital and operational items, cash flow and disclosure of planning assumptions."

> Executive Limitation EL-4.2, "The CEO shall not plan the expenditure in any budget period of more funds than are conservatively projected to be received or appropriated from reserves in that period."

KEY REVENUES SOURCES

Water Charges

- Water charges include a ground water production charge, which is equivalent to the basic user charge, and is associated with the benefit of managing groundwater supplies. The groundwater charge is applied to water extracted from the groundwater basin in Zones W-2 and W-5. The basic user charge is applied to other types of water delivered by the District. There are two rates: one for agricultural water and one for municipal and industrial water.

- A treated water surcharge, which is associated with the benefit of receiving treated water, is levied in addition to the basic user charge on water delivered from the District's water treatment plants.

Property Tax

Santa Clara County allocates property tax revenue to the District from ad valorem taxes levied on land within the county.

Special Parcel Tax

The special parcel tax was approved by the voters in Santa Clara County in November 2000. This revenue source is restricted to financing the costs of the District's Clean, Safe Creeks and Natural Flood Protection Program.

Benefit Assessments

Benefit assessment revenue consists of levies approved by voters in 1986 and 1990 to support financing for flood control capital improvements. The current FY 2010-11 budget amount is approximately 1.25 times the duly authorized annual debt service requirements for each Watershed.

Capital Reimbursements

Capital reimbursement revenues are from local, state and federal partners for capital projects carried on cooperatively by the District and its partners. The District fronts the partners' shares of capital expenditures and receives reimbursements from the partners at a later time.

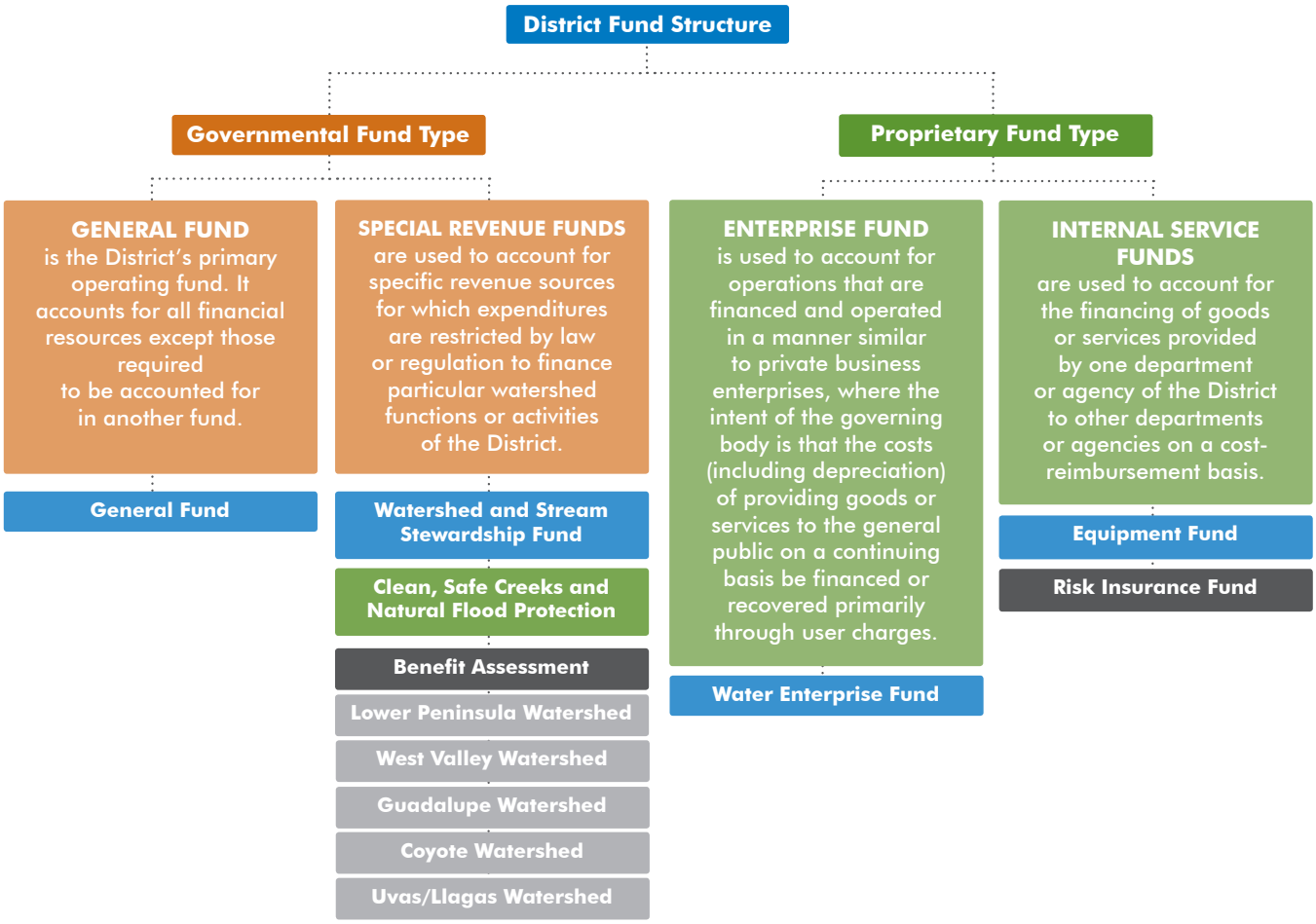
Interest

Interest is earned from the District's investment portfolio.

FINANCIAL PLANNING AND SUMMARY

District Fund Structure

The District's revenue sources are organized into seven funds. Each fund has specific revenue sources according to their intended purposes, and each fund is an independent accounting entity with a self-balancing set of accounts comprised of its assets, liabilities, fund equity, revenue, and expenditures or expenses, as appropriate.



Revenue by Fund ($K)

FUND NAME	FY10 Budget	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
Water Enterprise	172,327	171,583	204,415	199,817	217,053	234,593	253,918	274,661	296,608	315,352	330,480
Watershed Stream Stewardship	55,059	75,850	55,148	58,285	53,503	54,731	56,661	58,568	60,692	62,862	65,118
Clean, Safe Creeks and Natural Flood Protection	38,259	62,828	48,832	45,479	46,148	46,625	39,895	-	-	-	
Benefit Assessment	19,234	19,088	19,147	19,183	16,149	16,079	14,778	14,785	14,778	14,778	13,447
General	5,220	5,116	5,013	5,194	5,381	5,574	5,775	5,983	6,198	6,421	6,653
Internal Service	453	453	453	453	453	453	453	453	453	453	453
TOTAL	290,552	334,918	333,009	328,410	338,687	358,055	371,480	354,449	378,728	399,866	416,151

Note: Internal Service is the combination of the Equipment and Risk Funds

FY 2008-09 Funds to be reappropriated

FINANCIAL PLANNING AND SUMMARY

Revenue Projections

The District regularly updates the projected revenues based on the best information available.

- Revenues from water charges are estimated based on projections of water demand for residential, commercial and industrial, and agricultural consumption combined with rates per acre-foot. Rates are set at a level that will provide revenue needed to meet operating and capital needs.

- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on projection of growth in assessed value and number of developed parcels in Santa Clara County.

- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from the District's investment portfolio.

- Revenue from capital reimbursements partnerships are estimated based on the terms of agreements executed by the District and its partners.

Expenditure Projections

The District regularly updates the operation and capital expenditures based on the best information available.

Each capital project cost estimate includes the yearly expenditures through completion based on the project's scope and schedule. The expenditures are monitored regularly and updated when necessary, e.g. expenditures are updated when a project's scope changes. A management review process is enforced to ensure only justified expenditure changes are approved.

Operation cost projections for the next 10 years are updated annually and are based on assumptions derived from the District's strategic plans, including the impact of completed capital projects. Capital and operations expenditure projections are the foundation for the development of the District's budget.

Financial Analysis

The District regularly performs financial analysis to comply with the Board's Financial Planning/Budgeting Policy. The District uses sophisticated financial models to perform the analysis for each fund. The projected operation expenditures, capital expenditures, and revenues for the next ten years are incorporated into the financial models to analyze the health of each fund under various economic scenarios. This process assures that funds will be available when needed to implement the CIP.

The financial analysis generates alternatives for funding capital projects based on the available yearly revenues, from all sources, allocated to the capital program, and the debt financing capacity of each fund. The financial analysis establishes the parameters within which the capital project schedule is developed.

Debt Projections and Debt Ratios

Debt is managed at the District depending on the type of District business involved. Under the watershed business, the District has no current plans to issue additional debt which would require taxpayer approval. Debt service on outstanding debt is funded by benefit assessments levied on property owners in the county.

The water utility business on the other hand uses a combination of short-term and long-term debt financing in conjunction with pay-as-you-go financing to lessen impacts to the water rate, caused by fluctuations in capital funding needs. In the 1984 general election, Measure B was passed by the voters, which gave the District's water utility the authority to issue bonds on an "as required" basis. Debt service on outstanding debt is paid from water revenues. Bond covenants stipulate that the District must maintain a 1.25 debt coverage ratio on all parity bonds. The long-term financial analysis targets a debt coverage ratio of 2.0, which helps establish the parameters for capital planning that ensure bond covenants will be met.

The District currently enjoys credit ratings that are among the highest for a water-related governmental entity in the state of California, which helps keep interest costs borne by the District at a minimum.

Relationship between the Operating Budget and CIP

Whenever the District commits to capital improvements, there is a potential for associated long-range commitment of operating funds. For example, if 20-year bonds are issued to finance capital needs, then the operating funds will need to budget debt service payments for the next two decades. For this reason, it is important to evaluate capital commitments in the context of their long-range operating impact.

In addition to the long-range debt service payments, some capital projects affect future operating budgets either positively or negatively due to an increase or decrease in maintenance and operation costs. Such impacts vary widely from project to project and, are evaluated individually during the project development stage. The District is committing to a potential change in the operating budget when a capital project is approved.

The projected debt service payments and the positive or negative operating budget impacts are important factors considered in the District's financial analysis.

This chart identifies the operating budget impacts to each fund from projected debt service payments. The debt service payment in the Watershed Stream Stewardship Fund is a total of payments associated with each individual watershed.

Debt Payment Schedule ($K)

Fund	FY11	FY12	FY13	FY14	FY15
General Fund	765	769	771	628	623
Watershed Stream Stewardship Fund	15,651	15,694	15,723	13,272	13,215
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	-
Water Utility Enterprise Fund	16,413	20,781	24,874	30,625	41,794
TOTAL	32,828	37,244	41,368	44,526	55,632

This chart identifies the net operating budget impacts to each fund resulting from annual maintenance and/or operating cost for newly completed capital projects. Additional information regarding operating impacts related to individual projects can be found on the project pages.

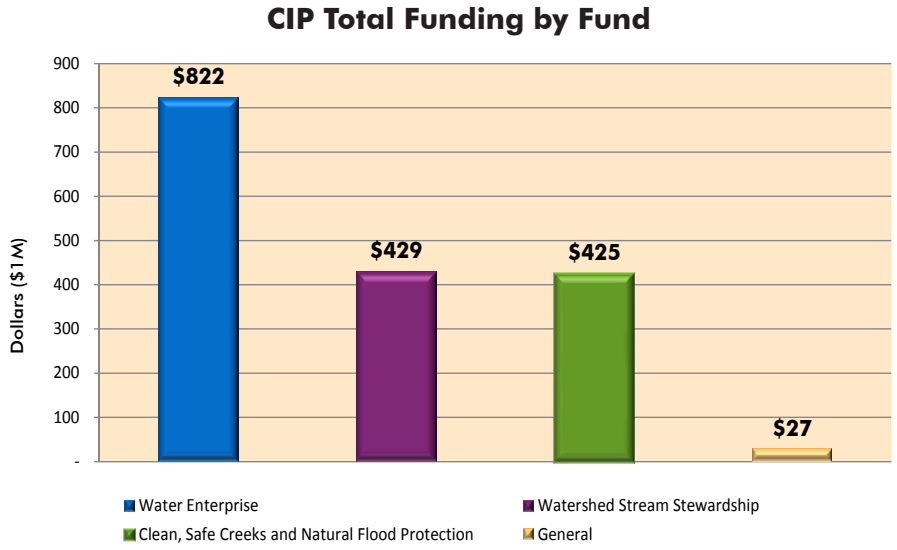
Estimated Operating Impacts ($K)

Fund	FY11	FY12	FY13	FY14	FY15	BEYOND
General Fund	5	5	5	5	5	5
Watershed Stream Stewardship Fund	50	563	563	578	578	698
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	480	580
Water Utility Enterprise Fund	311	416	2,194	2,157	2,202	3,666
TOTAL	366	984	2,762	2,740		4,949

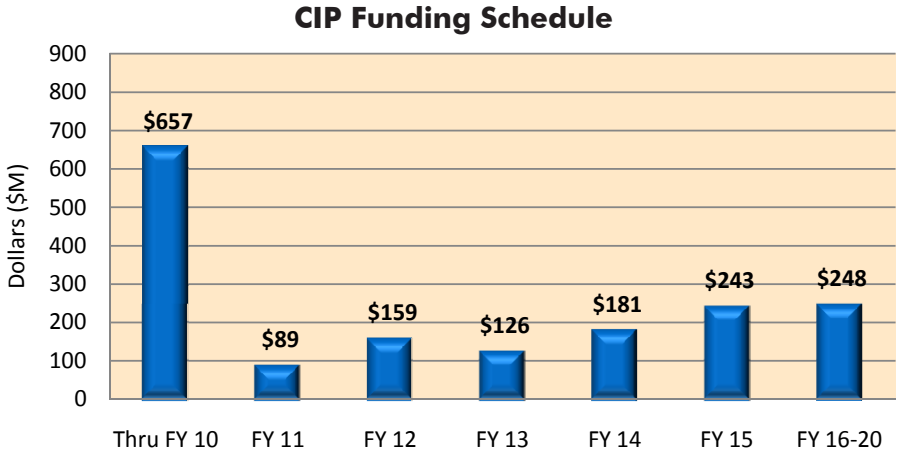
FINANCIAL PLANNING AND SUMMARY

CIP FUNDING SUMMARY

Of the $1.703 billion in total District funding for current and future projects, the Board appropriated $657 million in prior years through June 30, 2010 (the end of Fiscal Year 2009-10). This year's CIP process identified additional funding needs of $1.046 billion to complete the projects in the CIP, with $89 million allocated in Fiscal Year 2010-11 and a total of $958 million proposed for future years. Included in the $958 million proposed future funding is a funding shortfall of $3.5 million for projects funded by the Clean, Safe Creeks and Natural Flood Protection Fund.



The needed $1.703 billion to implement the 95 projects as defined in the CIP are funded by four of the District's seven Funds.



The following chart shows the funding schedule for the $1.703 billion to implement the 95 projects:

CIP Project Funding Schedule for Water Enterprise Fund ($K)

PROJECT NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
Alamitos Diversion Dam Improvements	2,962	-	2,111	-	-	307	-	-	-	3,269
Almaden Dam Outlet Works Improvements	2,103	-	-	-	772	806	840	1,164	12,442	18,127
Almaden-Calero Canal Rehabilitation	2,589	-	1,133	-	-	241	5,857	1,111	386	10,184
Calero/Fellows Dike Improvement	3,894	-	387	124	6,697	545	-	-	-	11,260
Cathodic Protection of District-Owned Pipelines	-	-	-	-	375	318	2,677	-	-	3,370
Cathodic Protection of USBR-Owned Pipelines	-	-	-	-	-	511	491	4,033	-	5,035
Coyote Diversion Dam Improvements	709	-	385	-	595	1,207	-	-	-	2,511
Dam Instrumentation	6,585	-	903	-	-	-	-	-	6,628	13,213
Dam Maintenance Mitigation	-	3,000	2,950	-	87	-	-	-	-	3,087
Dam Safety Program Seismic Stability Evaluation	-	5,311	-	990	11,149	15,885	7,396	80,405	11,752	132,888
East Pipeline Rehabilitation	-	1,510	-	1,415	769	-	-	-	-	3,694
FAHCE Stevens Creek Fish Passage Enhancement - 90%	817	392	2	-	2,326	4,762	3,750	-	-	12,047
IRP2 Additional Line Valves	-	-	-	-	-	-	-	762	8,337	9,099
IRP2 Backup Raw Water Control Center at Almaden	-	-	-	-	38	127	816	655	-	1,636
IRP2 Seismic Study and Retrofit of WTP Ops Bldg	4,314	-	2,825	-	5,815	3,571	2,843	-	-	16,543
IRP2 Well Fields	-	-	-	79	6,341	5,760	6,008	30,321	30,646	79,155
ISMP Water Resource Information System	2,986	74	18	-	-	-	-	-	-	3,060
Jacques Gulch Restoration	5,383	-	-	141	112	96	34	54	-	5,820
Kirk Diversion Dam & Fish Screen Improvements	595	2,601	2,498	-	274	-	-	-	-	3,470
Main & Madrone Avenue Pipelines Restoration	1,032	3,011	2,840	1,905	892	-	-	-	-	6,840
Microwave Telecommunications System	2,548	312	-	63	22	-	-	-	-	2,945
Ogier Ponds Separation from Coyote Creek	-	-	-	-	-	-	488	509	12,348	13,345
Pacheco Pumping Plant ASD Replacement	10,812	-	2,012	6,606	1,077	1,021	-	-	-	19,516
Pacheco Pumping Plant Regulating Tank Recoating	2,886	1,021	1,765	20	-	-	-	-	-	3,927
Penitencia Fish Facilities Modifications	-	276	39	238	359	-	-	-	-	873
PeopleSoft System Upgrade - 55%	738	-	158	-	-	-	-	-	-	738
Pipeline Hydraulic Reliability Upgrades - Planning	-	-	-	136	148	-	-	-	-	284
PWTP Ammonia System Relocation and Upgrades	-	-	-	-	656	3,317	291	-	-	4,264
PWTP Backwash Pump Replacement	1,929	344	-	106	-	-	-	-	-	2,379
PWTP Chemical Systems Upgrade	1,353	-	764	-	-	-	1,687	238	19	3,297
PWTP Clearwell Recoating & Repair	-	-	-	1,003	3,103	23	-	-	-	4,129
PWTP Filter Basin Covers	-	-	-	-	385	667	-	-	-	1,052
PWTP Large Valve Automation	-	-	-	-	811	151	-	-	-	962
PWTP Maintenance Building	5,403	294	2,378	-	-	-	-	-	-	5,697

FY 2009-10 Funds to be reappropriated

CIP Project Funding Schedule for Water Enterprise Fund ($K) (cont'd)

PROJECT NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
PWTP Standby Power Upgrade	3,013	-	133	-	-	-	-	-	-	3,013
PWTP Washwater Clarification Facility	-	-	-	-	-	500	601	6,394	-	7,495
PWTP Water Pumps Modifications	170	436	292	2,139	114	541	-	-	-	3,400
Radio Repeater System Infill - 47%	294	-	186	8	188	-	-	-	-	490
Recycled Water Masterplan	7,032	-	2,800	6,898	196	-	-	-	-	14,126
RWTP BL-1 Valve & Vault Replacement	-	-	-	-	-	-	-	262	1,344	1,606
RWTP Chemical System Upgrade	5,957	3	927	-	-	-	-	-	-	5,960
RWTP Filter Polymer System Improvement	-	-	-	-	-	-	226	1,162	109	1,497
RWTP FRP Chemical Storage Structure & Pump Valves Upgrades	-	307	-	671	3,867	340	-	-	-	5,185
RWTP FRP Clarifier Rehabilitation	6,337	-	834	-	-	-	-	-	-	6,337
RWTP FRP Primary Electrical System Improvement	923	247	327	4,258	1,360	91	-	-	-	6,879
RWTP FRP Residuals Management	1,227	1,675	1,574	251	11,023	7,686	923	-	-	22,785
RWTP FRP Site Improvement	-	214	-	787	-	-	-	-	-	1,001
RWTP Reliability Improvement	-	2,110	1,730	346	1,414	5,321	4,485	42,789	66,473	122,938
RWTP Standby Power System Upgrade	1,913	-	1,334	-	-	-	-	-	-	1,913
RWTP Valve Replacements	5,886	132	1,251	-	-	-	-	-	-	6,018
San Felipe Communications Cable Replacement	657	-	58	210	1,264	-	-	-	-	2,131
San Luis Reservoir Low Point Improvement - Planning	15,235	-	1,031	-	-	-	-	-	-	15,235
San Tomas Well Field	12,032	442	403	-	-	-	-	-	-	12,474
Santa Clara Conduit Rehab, S Valve 1 to Coyote Pumping Plant	-	-	-	1,406	-	-	-	-	-	1,406
Small Capital Improvements, Raw Water Transmission	n/a	302	-	800	393	1,332	2,297	1,116	2,721	8,961
Small Capital Improvements, San Felipe Reach 1-3	-	1,712	-	1,388	1,176	188	747	259	4,607	10,077
Small Capital Improvements, Treated Water Transmission	n/a	-	-	-	1,528	1,103	407	451	3,218	6,707
Small Capital Improvements, Water Treatment	-	2,129	-	1,508	2,418	2,720	4,054	2,536	19,910	35,275
South Bay Advanced Recycled Water Treatmetn Facility	35,566	-	29,277	8,764	8,605	91	-	-	-	53,026
South County Pipeline Right of Way Acquisition	174	-	137	192	1,119	591	-	-	-	2,076
Stevens Creek & Vasona Raw Water Distribution	-	122	112	316	920	17,712	11,705	-	-	30,775
STWTP Incompatible Materials	4,146	2,817	58	796	272	-	-	-	-	8,031
Telephones at Treatment Plants and Vasona	1,918	139	136	-	-	-	-	-	-	2,057
Water Efficient Demonstration Garden	1,969	-	1,682	-	86	59	-	-	-	2,114
Water Protection	4,505	3,094	5,305	-	304	-	-	-	-	7,903
WTP I/O Cards & Trunk Cable Upgrades	4,331	955	1,483	-	369	68	-	-	-	5,723
TOTAL	172,924	34,982	74,238	43,564	79,419	77,658	58,623	174,221	180,940	822,331

FY 2009-10 Funds to be reappropriated

Project Funding Schedule for Watershed and Stream Stewardship Fund ($K)

PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	24,526	135	4	138	270	-	-	-	-	25,069
Alviso Slough Restoration	2,813	615	260	354	750	10,156	327	-	-	15,015
Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	27,919	914	141	7,883	462	1,918	284	296	13,258	52,934
Calabazas Creek, Bollinger Bridge	6,556	100	-	42	-	-	-	-	-	6,698
CSC Soap Lake Floodplain Property Acquisition - $25	10	37	-	18	-	-	-	-	-	65
FAHCE Stevens Creek Fish Passage Enhancement - 10%	91	44	0	-	258	529	417	-	-	1,339
Gold Street Educational Center	680	829	287	-	-	-	-	-	-	1,509
Guadalupe River–Downtown, Interstate 880 to Interstate 280	104,704	371	1,831	471	-	-	-	-	-	105,546
Lake Cunningham Improvements	101	-	-	-	1,632	1,702	5,860	-	-	9,295
Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River	485	856	5	857	2,374	766	2,724	247	-	8,309
Lower Penitencia Creek, Berryessa to Coyote Creeks.	-	-	-	156	490	227	5,968	12	-	6,853
Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	8,461	26,621	1,464	5,189	435	-	24,628	-	-	65,334
PeopleSoft System Upgrade - 45%	604	-	130	-	-	-	-	-	-	604
Permanente Creek, San Francisco Bay to Foothill Expressway	12,777	4,544	300	-	-	-	-	-	-	17,321
Pond A8 Applied Study Final Design & Construction	3,048	267	449	19	-	-	-	-	-	3,334
Radio Repeater System Infill - 53%	332	-	209	9	212	-	-	-	-	553
San Francisco Bay Shoreline - Planning	11,373	60	783	236	-	243	-	-	7,618	19,530
San Francisquito Creek, 104 Corps	-	1,138	-	394	1,236	647	-	-	-	3,415
San Francisquito Creek, San Francisco Bay through Searsville Dam	4,041	830	1,700	47	136	-	-	-	-	5,054
San Tomas Creek, Quito Road Bridges Replacement	500	13	221	-	22	23	-	-	-	558
SMP Mitigation, Laguna Seca Freshwater Wetland	1,418	7,283	7,673	-	5,977	998	691	721	1,417	18,505
SMP Mitigation, Pajaro Basin Freshwater Wetland	4,607	-	226	71	-	-	-	-	-	4,678
SMP Mitigation, Stream and Watershed Land Preservation	8,633	-	4,941	-	-	-	-	-	-	8,633
Thompson Creek Stream Stabilization, Quimby to Aborn Rds.	2,256	-	2,047	-	-	-	-	-	-	2,256
Upper Penitencia Creek, Coyote Creek to Dorel Drive	15,004	-	510	929	1,946	-	-	-	28,260	46,139
TOTAL	240,938	44,657	23,181	16,813	16,200	17,209	40,899	1,276	50,553	428,545

FY 2009-10 Funds to be reappropriated

Project Funding Schedule for Clean Safe Creeks and Natural Flood Protection Fund ($K)

PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	10,947	636	208	335	7,599	287	300	312	232	20,648
Calabazas Creek, Miller Avenue to Wardell Road	7,181	9,108	12	1,193	580	575	178	-	-	18,815
Coyote Creek, Montague Expressway to Interstate 280	9,513	1,332	142	1,033	8,489	4,809	7,408	3,456	431	36,471
CSC Soap Lake Floodplain Property Acquisition - $250	250	-	-	-	-	-	-	-	-	250
Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	86,746	478	1,781	8,391	15,479	6,207	4,947	2,583	-	124,831
Llagas Creek–Upper, Buena Vista Road to Wright Avenue	11,884	14,330	1,357	208	1,087	5,985	6,035	154	257	39,940
Permanente Creek, San Francisco Bay to Foothill Expressway	1,954	305	99	13,867	21,644	658	178	185	129	38,920
Regnart Creek Stream Stabilization, Bubb to Stelling Rds.	-	-	-	-	509	397	1,568	-	-	2,474
San Francisquito Creek, San Francisco Bay through Searsville Dam	-	-	-	-	959	4,765	3,399	1,090	1,137	11,350
Sunnyvale East and West Channels	5,957	991	1,595	1,066	5,167	5,389	55,221	57,445	64	131,300
TOTAL	134,432	27,180	5,194	26,093	61,513	29,072	79,234	65,225	2,250	424,999

FY 2009-10 Funds to be reappropriated

Project Funding Schedule for General Fund ($K)

PROJECT NAME	Through FY08	FY09	FY09 Unspent	FY10	FY11	FY12	FY13	FY14	FY15-19	TOTAL
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,084	-	2,086	2,176	2,269	2,367	2,469	14,029	27,480
TOTAL	n/a	2,084	-	2,086	2,176	2,269	2,367	2,469	14,029	27,480

FY 2009-10 Funds to be reappropriated

CIP Funding Schedule Summary for All Funds ($K)

FUND NAME	Through FY09	FY10	FY10 Unspent	FY11	FY12	FY13	FY14	FY15	FY16-20	TOTAL
Water Enterprise	172,924	34,982	74,238	43,564	79,419	77,658	58,623	174,221	180,940	822,331
Watershed Stream Stewardship	240,938	44,657	23,181	16,813	16,200	17,209	40,899	1,276	50,553	428,545
Clean, Safe Creeks and Natural Flood Protection	134,432	27,180	5,194	26,093	61,513	29,072	79,234	65,225	2,250	424,999
General	n/a	2,084	-	2,086	2,176	2,269	2,367	2,469	14,029	27,480
TOTAL	548,294	108,903	102,613	88,556	159,308	126,208	181,123	243,191	247,772	1,703,355

FY 2009-10 Funds to be reappropriated

APPENDIX A - CIP PRIORITY CRITERIA

WATER SUPPLY CAPITAL PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (75%)

Water Supply (E 2) Impact = ; Probability = 0.00

- ☐ Project maintains existing water utility infrastructure to meet the current water supply demand, comply with water quality standards or meet other regulatory requirements.
- ☐ Project enhances water utility infrastructure to meet current water supply demand and comply with water quality standards [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add alternative ways to transmit water].
- ☐ Project positions the District to meet projected future water supply demand and projected water quality standards.

SOCIAL FACTORS (7.5%)

Social Factor 0.00

- ☐ Promotes Emergency Recovery

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

ENVIRONMENTAL FACTORS (10%)

Water Quality (E 3.2) - Check all that apply 0.00

- ☐ Promotes drinking water quality

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Promotes water use efficiency
- ☐ Promotes stream management
- ☐ Promotes energy efficiency or incorporates energy efficient features

ECONOMIC FACTORS (7.5%)

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX A - CIP PRIORITY CRITERIA

FLOOD PROTECTION PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)

Flood Protection (E 3) Impact = ; Probability = 0.00

- ☐ Project restores existing watershed infrastructure to its intended level of flood protection.
- ☐ Project improves watershed infrastructure to achieve the committed level of flood protection. Or project repairs channel erosion to protect watershed infrastructure (for stream stability projects).
- ☐ Project improves watershed infrastructure to provide flood protection beyond the level of commitment.

SOCIAL FACTORS (10%)

Positive Interaction (E 4) - Check all that apply 0.00

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location

ENVIRONMENTAL FACTORS (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ SRA Plantings or Improved water temperature
- ☐ Upland Habitat Protection/Preservation
- ☐ Wetland Habitat Protection/Preservation
- ☐ Hardscape Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment
- ☐ TMDL Improvements
- ☐ Provides opportunity for recharge

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

ECONOMIC FACTORS (15%)

Funding Available from Other Agencies - Check One 0.00

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX A - CIP PRIORITY CRITERIA

WATER RESOURCES STEWARDSHIP PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here — RAW SCORE = 0

PROJECT OBJECTIVES	**Water Resources Stewardship (E 4)** - Mark One	0.00
	Proposed project supports watershed stewardship and includes 1 of 5 objectives: 1 - creation or restoration of tidal or riparian habitat 2 - improvement of endangered species habitat 3 - fish barrier removal/fish ladder installation 4 - removal of invasive species 5 - planting of native species.	
	☐ **HIGH** - Project supports more than 1 identified objective	15
	☐ **MEDIUM** - Project supports 1 of 5 identified objectives	10
	☐ **LOW** - Project does not support 1 of 5 identified objectives	7
ENVIRONMENTAL DESIRABILITY	Proposed project is appropriate for the area/habitat in which it is planned (based on some evidence provided). - Mark One	0.00
	☐ **HIGH** - Project demonstrates connectivity to adjacent habitats and bsaseline information is available to support selection of project location.	15
	☐ **MEDIUM** -	10
	☐ **LOW** - Project is a stand-alone project with no relation to adjacent habitat or baseline evidence that supports appropriateness of location for project.	5
CRITICAL NEED	Project fulfills a critical need as described by existing documents, plans, and reports on watershed stewardship in Santa Clara County. - Mark One	0.00
	☐ **HIGH** - Project fulfills a critical need	15
	☐ **MEDIUM** -	10
	☐ **LOW** - Project does not fulfill a critical need	5
GEOGRAPHIC DISTRIBUTION	Project provides planning for enhancements in an area where a lack of environmental enhancements can be demonstrated. - Mark One	0.00
	☐ **HIGH** - Project demonstrates that the project location is in need of enhancements due to lack of existing enhancements.	15
	☐ **MEDIUM** -	10
	☐ **LOW** - Project does not demonstrates that the project location is in need of enhancements due to lack of existing enhancements.	5
LIKELIHOOD OF PROJECT SUCCESS	Maintenance and monitoring copmponent identified for environmental enhancement activity. - Mark One	0.00
	☐ **HIGH** - Project includes specific details for the maintenance and monitoring component of the environmental enhancement activity.	15
	☐ **MEDIUM** - Project includes recognition that a maintenance and monitoring component is necessary for successful completion of the environmental enhancement activity.	10
	☐ **LOW** - Project does not include a maintenance and monitoring component for the environmental enhancement activitie(s)	5
COST EFFECTIVENESS	Cost to the District as a percentage of the total estimated enhancement planning project cost. - Mark One	0.00
	☐ **HIGH** - Project provides > 50% cost share (i.e., less District funding required)	15
	☐ **MEDIUM** - Project provides between 25% and 50% cost share	7
	☐ **LOW** - Project provides at least 25% cost share (i.e., more District funding required)	5
COMMUNITY INVOLVEMENT	Proposed project includes plans for outreach to the community. - Mark One	0.00
	☐ **HIGH** - Project includes a community outreach component	10
	☐ **MEDIUM** -	7
	☐ **LOW** - Project does not include a community outreach component.	5

APPENDIX A - CIP PRIORITY CRITERIA

BUILDING & GROUNDS PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)

Buildings and Grounds (EL 3.4) Impact = L ; Probability = H — 0.00

- ☐ Project maintains existing building infrastructure to provide continuous use of existing buildings and/or to comply with employer safety standards.
- ☐ Project enhances building infrastructure to address treatment of staff issues.
- ☐ Project positions the District to meet projected future space needs.

CLEANER OBJECTIVE (10%)

Positive Interaction (E 4) - Check all that apply — 0.00

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location

GREENER OBJECTIVE (15%)

Natural Resources Sustainability (E 3.2) - Check all that apply — 0.00

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Provides/Improves Bicycle Commute Route
- ☐ Open Space Protection / Preservation

LEANER OBJECTIVE (15%)

Lifecycle costs are minimized - Check One — 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX A - CIP PRIORITY CRITERIA

INFORMATION TECHNOLOGY PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

SCORE = 0

PRIMARY OBJECTIVE (60%)

Information Technology (EL 7.5) Impact = L ; Probability = H 0.00

- ☐ Project maintains existing mission critical software systems and/or IT infrastructure to improve reliability for business continuity.
- ☐ Project enhances mission critical software systems and/or IT infrastructure to improve user functionality.
- ☐ Project enhances mission critical software systems and/or IT infrastructure to meet projected future needs.

SOCIAL FACTORS (10%)

Positive Interaction (E 4) - Check all that apply 0.00

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Trash removal features (vortex weirs)
- ☐ Improves esthetics of project location

ENVIRONMENTAL FACTORS (15%)

Natural Resources Sustainability (E 3.2) - Check all that apply 0.00

- ☐ Air Quality & Visibility Improvement
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Renewable Energy Use
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Reduce Solid Waste Production
- ☐ Use of Recycled or Alternative Building Materials

ECONOMIC FACTORS (15%)

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX B - PROJECT LIST BY PRIORITY

Water Supply Capital Projects in Order of Priority

FUNDED

Priority	Name
96	Alamitos Diversion Dam Improvements
96	Coyote Diversion Dam Improvements
96	RWTP FRP Chemical Storage Structure & Pump Valves Upgrades
96	RWTP FRP Clarifier Rehabilitation
96	RWTP FRP Primary Electrical System Improvement
96	RWTP FRP Residuals Management
94	PWTP Maintenance Building
92	PWTP Water Pumps Modifications
92	RWTP Filter Polymer System Improvement
84	Cathodic Protection of USBR-Owned Pipelines
82	Kirk Diversion Dam & Fish Screen Improvements
82	PWTP Standby Power Upgrade
81	Cathodic Protection of District-Owned Pipelines
80	Main & Madrone Avenue Pipelines Restoration
80	RWTP FRP Site Improvement
75	San Luis Reservoir Low Point Improvement - Planning
74	RWTP Standby Power System Upgrade
73	Almaden-Calero Canal Rehabilitation
73	Dam Safety Program Seismic Stability Evaluation
73	RWTP Reliability Improvement
72	Dam Instrumentation
72	IRP2 Seismic Study and Retrofit of WTP Ops Bldg
72	Pacheco Pumping Plant Regulating Tank Recoating
69	San Felipe Communications Cable Replacement
68	Pacheco Pumping Plant ASD Replacement
68	PWTP Backwash Pump Replacement
66	PWTP Ammonia System Relocation and Upgrades
66	STWTP Incompatible Materials
61	RWTP Valve Replacements
59	PWTP Clearwell Recoating & Repair
58	WTP I/O Cards & Trunk Cable Upgrades
56	East Pipeline Rehab, Aborn Turnout to Milpitas PL
56	Small Capital Improvements, Treated Water Transmission
56	Small Capital Improvements, Water Treatment

Water Supply Capital Projects in Order of Priority (cont'd)

FUNDED

Priority	Name
55	PWTP Washwater Clarification Facility
55	RWTP BL-1 Valve & Vault Replacement
55	Small Capital Improvements, Raw Water Transmission
55	Small Capital Improvements, San Felipe
55	Water Protection
53	IRP2 Additional Line Valves
53	Santa Clara Conduit Rehab, Valve 1 to Coyote Pumping Plant
52	RWTP Chemical System Upgrade
46	IRP2 Well Fields
44	Penitencia Fish Facilities Modifications
42	IRP2 Backup Raw Water Control Center at Almaden
41	Almaden Dam Outlet Works Improvements
41	Stevens Creek & Vasona Raw Water Distribution
40	PWTP Chemical Systems Upgrade
40	Recycled Water Advanced Treatment Facility WPCP
39	Pipeline Hydraulic Reliability Upgrades - Planning
39	South County Pipeline Right of Way Acquisition
34	San Tomas Well Field
32	Calero/Fellows Dike Improvement
31	PWTP Filter Basin Covers
31	PWTP Large Valve Automation
9	Recycled Water Masterplan - Short-Term Implementation
8	Water Efficient Demonstration Garden

LOWER PRIORITY OR UNFUNDED FUTURE PROJECTS

75	San Luis Reservoir Low Point Improvement - Design and Construction
55	Church Avenue Diversion
53	RWTP Advanced Treatment
34	RWTP Waste Stream Separation Modification
21	WTP Filter Backwash Aid
13	Coyote Pumping Plant ASD Replacement
11	Milpitas Pipeline Terminus Valve & Vault
9	Recycled Water Masterplan - Long-Term Implementation
7	Santa Clara Tunnel Leakage and Pacheco Conduit Dewater

APPENDIX B - PROJECT LIST BY PRIORITY

Flood Protection Capital Projects in Order of Priority

FUNDED	
Priority	**Name**
99	Permanente Creek, San Francisco Bay to Foothill Expressway
91	Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd
85	Sunnyvale East and West Channels
82	San Francisquito Creek, San Francisco Bay through Searsville Dam
79	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road
76	Guadalupe River–Downtown, Interstate 880 to Interstate 280
70	Llagas Creek–Upper, Buena Vista Road to Wright Avenue
63	Upper Penitencia Creek, Coyote Creek to Dorel Drive
62	Coyote Creek, Montague Expressway to Interstate 280
60	Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River
59	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)
57	Lake Cunningham Improvements
54	San Tomas Creek, Quito Road Bridges Replacement
53	Lower Penitencia Creek, Berryessa to Coyote Creeks.
49	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road
47	Calabazas Creek, Miller Avenue to Wardell Road
43	San Francisco Bay Shoreline - Planning
42	Calabazas Creek, Bollinger Bridge
30	Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)

PROPOSED FUTURE PROJECTS	
43	SF Bay Shoreline Early Implementation Design & Construct
38	Canoas Creek, Guadalupe River to Cottle Road
36	Los Gatos Creek, Twin Brook Drive
35	Babb/Piedmont/Los Coches Creeks, Channel Rehabilitation
19	Alamitos Creek, Guadalupe River to Almaden Dam
15	Calabazas Creek, Wardell to Comer Debris Basin
11	Coyote Creek Overflow Channel Restoration, Montague Expwy

APPENDIX B - PROJECT LIST BY PRIORITY

Water Resources Stewardship Capital Projects in Order of Priority

FUNDED	
Priority	Name
	Environmental Enhancement
46	Pond A8 Applied Study Final Design & Construction
38	Jacques Gulch Restoration
26	CSC Soap Lake Floodplain Property Acquisition
21	FAHCE Stevens Creek Fish Passage Enhancement
	Mitigation
	Dam Maintenance Mitigation
	Ogier Ponds Separation from Coyote Creek
	SMP Mitigation, Laguna Seca Freshwater Wetland
	SMP Mitigation, Pajaro Basin Freshwater Wetland
	SMP Mitigation, Stream and Watershed Land Preservation
	Stewardship
39	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road
29	Regnart Creek Stream Stabilization, Bubb to Stelling Rds.
24	Alviso Slough Restoration
8	Gold Street Educational Center

PROPOSED FUTURE PROJECTS	
77	Permanente Diversion Channel Restoration
74	Permanente Creek Riparian Channel Restoration
54	Comer Dam Removal Project

Buildings and Grounds Capital Projects in Order of Priority

FUNDED	
68	Almaden and Winfield Campus, Small Capital Improvements
33	Telephones at Treatment Plants and Vasona

PROPOSED FUTURE PROJECTS	
61	Corporation Yard Implementation

Information Technology Capital Projects in Order of Priority

FUNDED	
50	ISMP Water Resource Information System
44	Radio Repeater System Infill
31	PeopleSoft System Upgrade
30	Microwave Telecommunications System

PROPOSED FUTURE PROJECTS	
13	ISMP Electronic Document Management System

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Reimbursements are funds that are reimbursed by the District's partners after the District advances the needed funds. The follwing table identifies capital projects that are funded cooperatively with the District's partners through reimbursements.

Partnership Reimbursement

Project Number	Project Name	Amount ($K)	Partnering Agency
91954001	Pacheco Pumping Plant ASD Replacement	4,293	San Benito County Water District
91214008	Pacheco Pumping Plant Regulating Tank Recoating	865	San Benito County Water District
91214009	San Felipe Communications Cable Replacement	455	San Benito County Water District
91214007	San Luis Reservoir Low Point Improvement - Planning	13,108	Department of Water Resources
91214007	San Luis Reservoir Low Point Improvement - Planning	46	U.S. Bureau of Reclamation
91124001	San Tomas Well Field	4,500	Campbell Redevelopment Agency
91214010	Small Capital Improvements, San Felipe Reach 1	2,194	San Benito County Water District
91184008	South Bay Advanced Recycled Water Treatmetn Facility	11,000	City of San Jose
91184008	South Bay Advanced Recycled Water Treatmetn Facility	2,940	Department of Water Resources
91184008	South Bay Advanced Recycled Water Treatmetn Facility	5,000	U.S. Bureau of Reclamation - Federal
91184008	South Bay Advanced Recycled Water Treatmetn Facility	8,250	U.S. Bureau of Reclamation - ARRA
91094007s	Recycled Water Masterplan	768	South County Regional Wastewater Authority
91094007s	Recycled Water Masterplan	600	U.S. Bureau of Reclamation - Federal
91094007s	Recycled Water Masterplan	1,628	U.S. Bureau of Reclamation - ARRA
91154006	Water Efficient Demonstration Garden	146	Department of Water Resources
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	29,551	State Subventions
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	1,654	City of San Jose
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	10,208	San Jose Redevelopment Agency
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	47,024	State Subventions (R6-12)
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	3,731	City of San Jose
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	4,842	State Subventions
40264007s	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	18,000	Natural Resource Conservation Service - ARRA
40264007s	Lower Silver Creek, I-680 to Cunningham (Reach 4-6)	10,998	State Subventions
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	6,148	State Subventions
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	3,340	City of Morgan Hill
91854002	Jacques Gulch Restoration	265	County of Santa Clara
62044020	Pond A8 Applied Study Final Design & Construction	700	California Coastal Conservancy
62044020	Pond A8 Applied Study Final Design & Construction	1,125	Regional Water Quality Control Board
	TOTAL	$ 193,379	

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Funding is funds that are made available by the District's partners, when needed. The following table identifies capital projects that receive partnership funding. This may occur through either cost sharing agreements or as in-kind services.

Partnership Funding

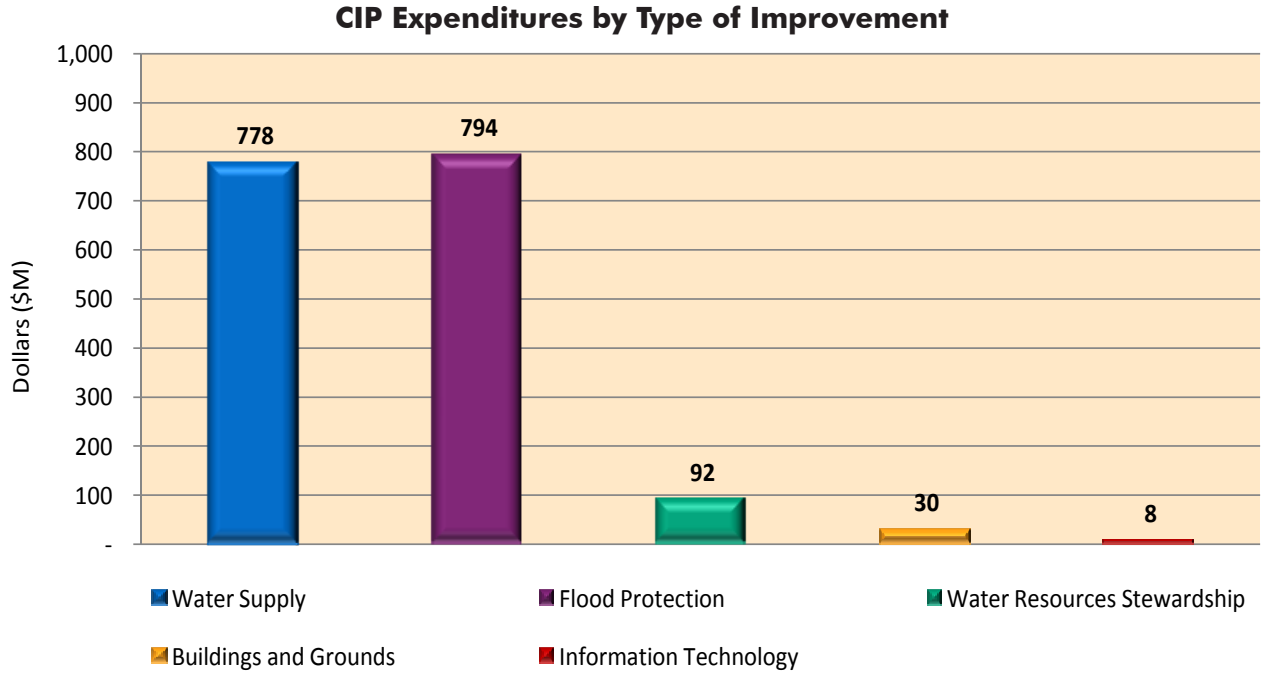
Project Number	Project Name	Amount ($K)	Partnering Agency
10284007	San Francisquito Creek, San Francisco Bay through Searsville Dam	3,000	U.S. Army Corps of Engineers
10284007	San Francisquito Creek, San Francisco Bay through Searsville Dam	1,500	County of San Mateo
20194005	San Tomas Creek, Quito Road Bridges Replacement	3,064	CALTRANS
20194005	San Tomas Creek, Quito Road Bridges Replacement	180	Town of Los Gatos
20194005	San Tomas Creek, Quito Road Bridges Replacement	180	City of Saratoga
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	170,500	U.S. Army Corps of Engineers
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	40,200	U.S. Army Corps of Engineers
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	19,000	U.S. Army Corps of Engineers
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	22,000	U.S. Army Corps of Engineers
00044026	San Francisco Bay Shoreline	91,250	Primarily Corps, Coastal Conservancy, Fish & Wildlife, Wildlife Conservation
91854002	Jacques Gulch Restoration	4,000	County of Santa Clara
62214001	Thompson Creek Stream Stabilization, Quimby to Aborn Rds.	4,415	U.S. Army Corps of Engineers
	TOTAL	$ 359,289	

APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Type of Improvement ($K)

	THRU FY09 (Actuals)	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	TOTAL
Water Supply	73,048	45,468	104,917	81,968	74,737	54,387	174,312	81,197	60,692	9,728	10,125	7,099	777,678
Flood Protection	266,143	134,857	52,415	70,280	34,222	118,435	65,780	13,448	7,610	10,657	11,847	7,824	793,518
Water Resources Stewardship	15,757	7,881	9,264	19,648	16,995	7,275	1,284	3,818	7,144	1,049	1,085	669	91,869
Buildings and Grounds	751	3,254	2,222	2,176	2,269	2,367	2,469	2,575	2,685	2,801	2,921	3,047	29,537
Information Technology	3,603	3,584	752	422	-	-	-	-	-	-	-	-	8,361
TOTAL	359,302	195,044	169,570	174,494	128,223	182,464	243,845	101,038	78,131	24,235	25,978	18,639	1,700,963

There is currently a $3.5 million revenue shortfall to meet the planned expenditures in the Clean, Safe Creeks and Natural Flood Protection Fund. District staff is working with the Board to develop a method for addressing this revenue shortfall.

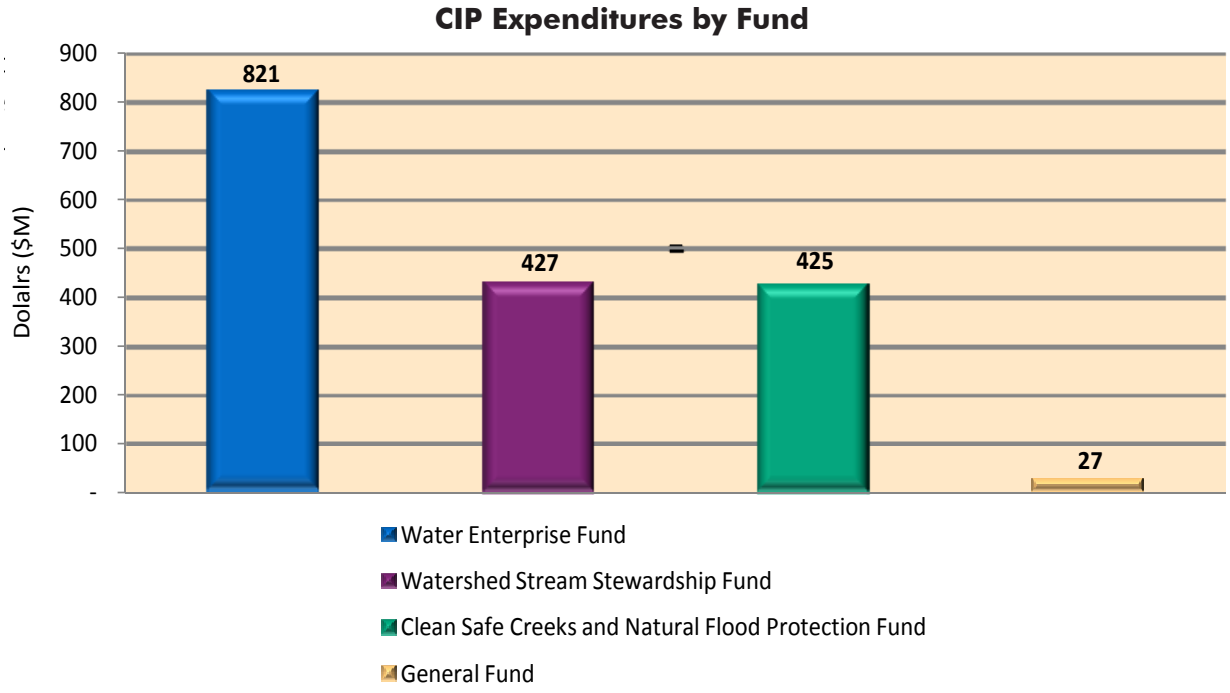


APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Fund ($K)

	THRU FY09 (Actuals)	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	TOTAL
Water Enterprise Fund	82,029	51,639	108,560	84,703	79,595	58,659	174,875	84,289	67,628	10,560	10,944	7,768	821,249
Watershed Stream Stewardship Fund	193,074	69,340	27,639	26,102	17,287	42,204	1,276	12,046	7,805	10,860	12,018	7,824	427,475
Clean Safe Creeks and Natural Flood Protection Fund	84,199	71,981	31,287	61,513	29,072	79,234	65,225	2,128	13	14	95	-	424,761
General Fund	-	2,084	2,086	2,176	2,269	2,367	2,469	2,575	2,685	2,801	2,921	3,047	27,480
TOTAL	359,302	195,044	169,572	174,494	128,223	182,464	243,845	101,038	78,131	24,235	25,978	18,639	1,700,965

There is currently a $3.5 million revenue shortfall to meet the planned expenditures in the Clean, Safe Creeks and Natural Flood Protection Fund. District staff is working with the Board to develop a method for addressing this revenue shortfall.



APPENDIX E - INDEX OF PROJECTS BY CITY/TOWN

Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the city of Campbell		
III-29	Cathodic Protection of District-Owned Pipelines	1, 2, 3, 4, 5
III-59	IRP2 Well Fields	2, 3, 4, 5
VII-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-21	San Tomas Well Field	4
III-51	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
III-57	Stevens Creek & Vasona Raw Water Distribution	1, 4, 5
III-109	Water Protection	1, 2, 3, 4, 5
Projects in the city of Cupertino		
IV-11	Calabazas Creek, Bollinger Bridge	5
IV-13	Calabazas Creek, Miller Avenue to Wardell Road	5
III-29	Cathodic Protection of District-Owned Pipelines	1, 2, 3, 4, 5
III-37	IRP2 Additional Line Valves	1, 3, 5
III-59	IRP2 Well Fields	2, 3, 4, 5
VII-9	Radio Repeater System Infill	1, 2, 3, 4, 5
V-27	Regnart Creek Stream Stabilization, Bubb to Stelling Rds.	5
III-51	Small Capital Improvements, Raw Water Transmission	1, 2, 3, 4, 5
III-53	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5
III-57	Stevens Creek & Vasona Raw Water Distribution	1, 4, 5
IV-17	Sunnyvale East and West Channels	3, 5
III-109	Water Protection	1, 2, 3, 4, 5
Projects in the city of Gilroy		
V-5	CSC Soap Lake Floodplain Property Acquisition	1
IV-37	Llagas Creek–Lower, Capacity Restoration, Hwy 152 to Pajaro River	1
VII-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-113	Recycled Water South County Masterplan - Short-Term Implementation	1
III-109	Water Protection	1, 2, 3, 4, 5
Projects in the city of Los Altos		
IV-5	Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	5
III-29	Cathodic Protection of District-Owned Pipelines	1, 2, 3, 4, 5
V-7	FAHCE Stevens Creek Fish Passage Enhancement	5
III-59	IRP2 Well Fields	2, 3, 4, 5
IV-7	Permanente Creek, San Francisco Bay to Foothill Expressway	5

APPENDIX E - INDEX OF PROJECTS BY CITY/TOWN

Project List by City/Town

Page Number	Project Name	Supervisorial District(s)
Projects in the city of Los Altos (cont'd)		
III-47	Pipeline Hydraulic Reliability Upgrades - Planning	1, 2, 3, 4, 5
VII-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-53	Small Capital Improvements, Treated Water Transmission	1, 3, 4, 5
III-109	Water Protection	1, 2, 3, 4, 5
Projects in the town of Los Altos Hills		
IV-5	Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	5
VII-9	Radio Repeater System Infill	1, 2, 3, 4, 5
III-109	Water Protection	1, 2, 3, 4, 5
Projects in the town of Los Gatos		
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VII-5	Microwave Telecommunications System	1, 2, 3
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APPENDIX F - GLOSSARY

Ad Valorem Tax
A tax based on value (e.g., a property tax).

Appropriation
An appropriation is a legal authorization grated by the Santa Clara County Board of Supervisors which allows the District to expend cash and incur obligations for specific purposes. An appropriation is usually limited in amount and the time it may be expended.

Assessment
The process of setting the official valuation of property for taxation; the valuation placed upon property as a result of this process.

Asset
A probable future economic benefit obtained or controlled by a particular entity as a result of past transactions or events. Examples of assets are cash, receivables, and equipment.

Benefit Assessment
Determination of the benefits derived from District activities within particular watersheds and levying a proportionate share of taxes to each parcel subject to voter-approved limitations.

Bonds
Bonds are a long-term source of debt that provides a source of borrowed monies that can be used to pay for specific capital facilities. Bonds are a written promise to pay a specified sum of money at a predetermined date or dates in the future, called the maturity date(s), together with periodic interest at a specific rate.

Capital Expenditure
Capital expenditures fall into several categories. In general, they should create assets or extend the useful lives of existing assets. The work product results in a long-term benefit greater than two years and for budgeting purposes involved a major expenditure of district resources greater than $50,000. They can be made with regard to tangible and intangible assets.

The general categories of capital expenditures are: rehabilitation, major repairs, improvements/ betterments/ upgrades, replacements, expansions/ additions, and ancillary expenditures.

Capital Projects
Projects are budgeted within the Capital budget and fall within the definition of Capital Expenditures; which means they (1) create or extend the life of an asset, (2) their work products have a useful life of greater than two years, and (3) they involve an expenditure of District resources in excess of $50,000.

Certificates of Participation (COPs)
A security in the general form of a bond, which evidences a proportionate participation in a flow of lease or other payments between two parties.

CEQA
California Environmental Quality Act

CIP
Capital Improvement Plan

Cost Center
Cost Centers are separate financial accounting centers in which costs are accumulated because of legal and accounting requirements, the first two digits of a project number identifies the cost center.

DWR
State Department of Water Resources

EIR
Environmental Impact Report

Encumbrances
Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent the estimated amount of expenditures that will result if unperformed contracts in process are completed.

APPENDIX F - GLOSSARY

Enterprise Fund
Enterprise Funds are used to account for operations including debt service (a) that are financed and operated in a manner similar to private business, where the intent of the government body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a accounting basis is financed or recovered primarily though user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

Expenditure/Expense
Decreases in net financial resources. Expenditures include current operating expenses requiring the present or future of net current assets, debt service and capital outlays, and intergovernmental grants, entitlements, and shared revenues. The major expenditure categories used by the District are labor and overhead, land and structures, equipment, and debt service.

Facility
Defined as a creek, reservoir, dam, water treatment plant, pipeline, canal, etc.

Fixed Assets
Fixed Assets are defined as long-lived tangible assets such as automobiles, computers and software, furniture, communications equipment, hydrologic equipment, office equipment, and other equipment, with a value of $2,000 or more, or the combined value of like ore related units (aggregate value) is greater than $5,000 if the unit value is less than $2,000.

Fiscal Year
A 12-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. The District's fiscal year is July 1 through June 30.

Fund
A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances, and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

General Fund
A fund used to account for major operating revenues and expenditures, except for those financial transactions that are required to be accounted for in another fund. General Fund revenues are derived primarily from property and other taxes.

Grants
Contributions or gifts of cash or other assets from another government entity to be used or expended for a specified purpose, activity, or facility.

Levy
(1. Verb) To impose taxes, special assessments, or service charges for the support of government activities; (2. Noun) The total amount of taxes, special assessments, or service charges imposed by a government agency.

Long-Term Debt
Debt with a maturity date of more than one year after the date of issuance.

One Percent Flood or 100 Year Flood
Has a 1% chance of occuring in a given year. Water District projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

APPENDIX F - GLOSSARY

Operating Expenditure

Operating expenditures are system costs required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services.

Operating expenditures are costs necessary to maintain the systems in good operating condition. This includes the repair and replacement of minor property components. The American Waterworks Association (AWWA) says that these priority components should be smaller than a retirement unit; a retirement unit is a readily separable and separately useful item that is part of a larger assembly. The benefit and life of such repairs should be less than two years. Any repairs that recur on an annual basis are considered operating activities of a maintenance nature.

Operating expenditures are often separated into fixed and variable costs for purposes of under standing operating leverage and structuring service charge rates.

Operations

Expenditures required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services. Operations include work that is generally of an ongoing or recurring nature. Any District work that is not a project is, by definition, an Operation. Operations, although recurring, require close coordination and a high degree of management oversight; however, they can be accomplished without the application of the full range of tools and processes used for managing projects.

Projects

At the Santa Clara Valley Water District, a project is any undertaking which has (1) a beginning and an ending, (2) a one-time occurrence. Projects can require expenditure of capital or operating funds and, at the District, are called Capital or Operating Projects, accordingly. Project usually, but no always, relate to a District facility or facilities (a creek, a reservoir, a dam, a water treatment plant, a pipeline,, etc.). Projects may include studies, design, construction, maintenance, or implementation of systems such as Records Management or Financial Management System.

Revenue

Monies the District receives in exchange for services or sales provided. Revenue items include water sales, property tax revenues, benefit assessment revenues, interest income, intergovernmental reimbursement, and other.

Revenue Bonds

Bonds, whose principal and interest are payable exclusively from earnings of an enterprise fund. In addition to a pledge of revenues, such bonds sometimes contain a mortgage on the enterprise fund's property.

Reserve

An account used to indicate that a portion of a fund's assets are legally restricted for a specific purpose and is, therefore, not available for general appropriation.

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